LCD-Monitor

Chassis

DE17PS/DE19PS

Model

173P PLUS/193P PLUS

SERVICE Manual

LCD Monitor



Fashion Feature

- Ultra Slim Design
  Depth 17": 26mm, 19": 32mm
- Folder-Type Dual Hinge Stand
- Pivot (rotation)
- Real Metal F/cabinet & Stand
- Clean Look : Eliminate control button,
  Back Side cable management

DE17PS/DE19PS Service Manual

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1 Precautions

Follow these safety, servicing and ESD precautions to prevent damage and to protect against potential hazards such as electrical shock.

1-1 Safety Precautions

1-1-1 Warnings

1. For continued safety, do not attempt to modify the circuit board.
2. Disconnect the AC power and DC power jack before servicing.

1-1-2 Servicing the LCD Monitor

1. When servicing the LCD Monitor, Disconnect the AC line cord from the AC outlet.
2. It is essential that service technicians have an accurate voltage meter available at all times. Check the calibration of this meter periodically.

1-1-3 Fire and Shock Hazard

Before returning the monitor to the user, perform the following safety checks:

1. Inspect each lead dress to make certain that the leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the monitor.
2. Inspect all protective devices such as nonmetallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
3. Leakage Current Hot Check (Figure 1-1):

   WARNING : Do not use an isolation transformer during this test.

   Use a leakage current tester or a metering system that complies with American National Standards Institute (*ANSI C101.1, Leakage Current for Appliances*), and Underwriters Laboratories (*UL Publication UL1410, 59.7*).

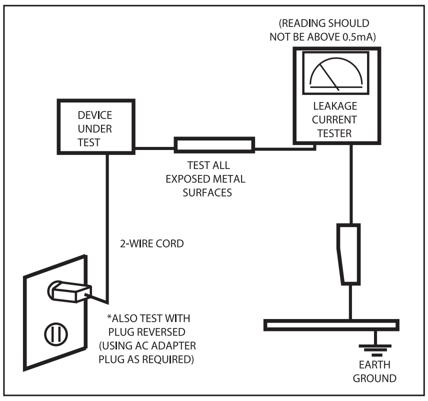


Figure 1-1. Leakage Current Test Circuit

4. With the unit completely reassembled, plug the AC line cord directly into a 120V AC outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

1-1-4 Product Safety Notices

Some electrical and mechanical parts have special safety-related characteristics which are often not evident from visual inspection. The protection they give may not be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified by ⚠ on schematics and parts lists. A substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire and/or other hazards. Product safety is under review continuously and new instructions are issued whenever appropriate.

1-2 Servicing Precautions

WARNING: An electrolytic capacitor installed with the wrong polarity might explode.

Caution: Before servicing units covered by this service manual, read and follow the Safety Precautions section of this manual.

Note: If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions, always follow the safety precautions.

1-2-1 General Servicing Precautions

1. Always unplug the unit's AC power cord from the AC power source and disconnect the DC Power Jack before attempting to:
(a) remove or reinstall any component or assembly, (b) disconnect PCB plugs or connectors, (c) connect a test component in parallel with an electrolytic capacitor.
2. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.
3. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the area around the serviced part has not been damaged.
4. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).
5. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500 V) to the blades of the AC plug.

   The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.
6. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

1-3 Electrostatically Sensitive Devices (ESD) Precautions

Some semiconductor (solid state) devices can be easily damaged by static electricity. Such components are commonly called Electrostatically Sensitive Devices (ESD). Examples of typical ESD are integrated circuits and some field-effect transistors. The following techniques will reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. To avoid a shock hazard, be sure to remove the wrist strap before applying power to the monitor.
2. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of an electrostatic charge.
3. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESDs.
4. Use only a grounded-tip soldering iron to solder or desolder ESDs.
5. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ESDs.
6. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.
7. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.

   Caution: Be sure no power is applied to the chassis or circuit and observe all other safety precautions.
8. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting your foot from a carpeted floor can generate enough static electricity to damage an ESD.

2 Product Specifications

2-1 Fashion Feature

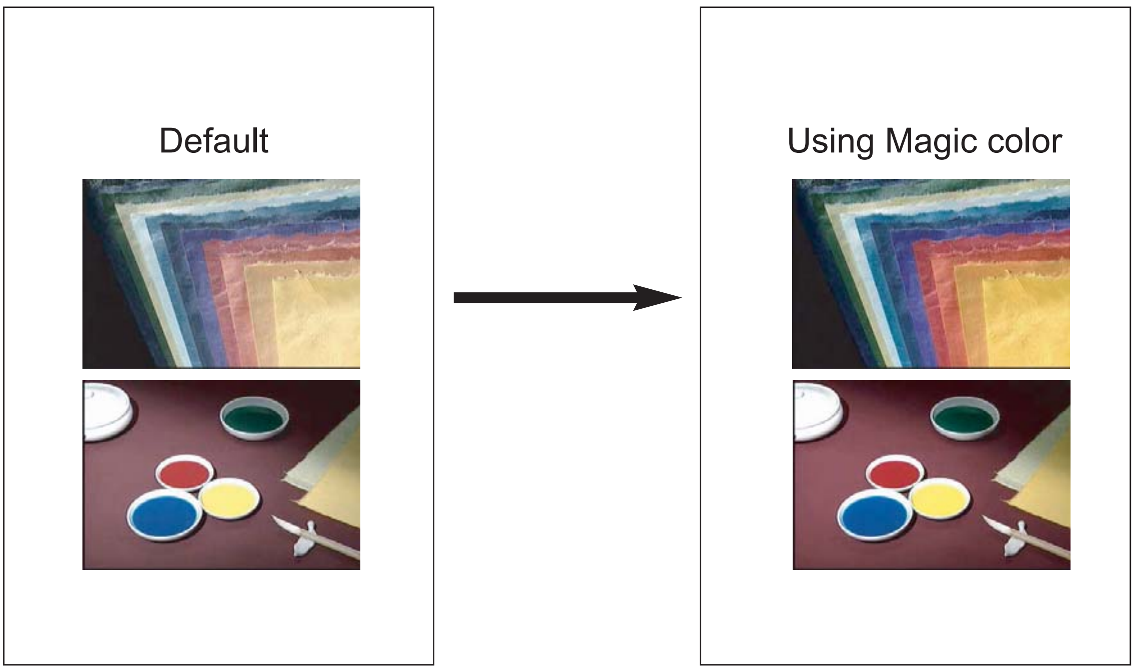
-. Improved Response Time by Adopting RTA: 12ms (Based on "Gray to Gray")
-. Support Magic Color: Demo, Full, Intelligent
-. Magic Zone: Brightness adjustment for local areas
-. Magic Bright: 6 Steps used
Text, Internet, Sports, Game, Movie and Custom
-. Magic Tune 3.6 and Pivot software installed
: An upgraded version that compensates for the old Magic Tune 2.0 and adds some new features for the user's convenience
-. Auto Pivot: When the monitor is rotated in 90 or 180 degrees, the display LED and OSD also are automati cally rotated accordingly. This can be performed only when Magic Tune 3.6 and the Pivot software are running.

2-2 Spec Comparison

Key Specification				
Model	DI17PS 173P	DE17PS 173P plus	DI19PS 193P	DE19PS 193P plus
Screen Size	17”	17”	19”	19”
Brightness	280cd/m²	280cd/m²	250cd/m²	250cd/m²
Contrast	600:1	1500:1	600:1	1000:1
Fast Response Time	25ms(w to b)	RTA chip 12ms(g to g) 25ms(w to b)	20ms(w to b)	RTA chip 12ms(g to g) 20ms(w to b)
Magic color	X	O	X	O
Magic Pivot	X After the screen rotation , User should change the Pivot degrees with Pivot Software manually. Impossible OSD rotation.	O When Monitor is rotated, as Pivot sensor is applied to PBA,OSD and screen is changed automatically	X After the screen rotation , User should change the Pivot degrees with Pivot Software manually. Impossible OSD rotation.	O When Monitor is rotated, as Pivot sensor is applied to PBA,OSD and screen is changed automatically
Magic tune	2.0version	3.6version	2.0version	3.6version
Magic Zone	X	O (support in only Magic tune3.6)	X	O (support in only Magic tune3.6)
Detail control Gamma,Color Temperature	X	O	X	O
sharpness	X	O	X	O
Magic Bright	4steps Text, Internet, Entertain, Custom	6steps Text, Internet, Sports, Movie, Game, Custom	4steps Text, Internet, Entertain, Custom	6steps Text, Internet, Sports, Movie, Game, Custom

2-3 DE17PS/DE19PS feature

No	Feature	Feature	Operating method
1	Auto Auto	If Dali turns on in some resolution for the first time, 173P+/193P+ can execute Auto adjustment automatically for the high Quality.	
2	Auto source selection	173P+/193P+can check the change of Source automatically and change the source to the active Input.	During Power ON, touch Power Button for 2 seconds with a "beep" and release
3	Auto Power on/off	173P+/193P+ can turn on and off the Power automatically if Monitor detect the DPMS mode. (it means BLUE LED off)	
4	180º Pivot Rotation	173P+/193P+ can support the 180 degrees Pivot. (90º Portrait, 180º landscape)	
5	Wall mount Dual hinge	173P+/193P+ can support Wall Mount having Dual Hinge.	There is a accessory kit with wall mount.
6	Auto Pivot	As Dali-2 has sensor IC for Pivot, 1) if Dali-2 rotates 90º , 180º and 0º , 2) MCU can detect the current status through sensor IC, OSD rotates 3) Magic tune 3.6 and Pivot Software can make change Screen to the rotated degrees automatically.	It must be installed Magic tune 3.6 and Pivot Software to the PC.
7	Magic Zone	It is the same with the Highlight zone of CDT Monitor. It can make the assigned area brighter and darker than the whole screen using the Brightness, Hue, Saturation and Sharpness of Magic zone menu. - Using Auto detect function of Magic tune, in Moving screen, Magic tune can display it Brighter automatically.	It must be installed Magic tune 3.6 and Pivot Software to the PC.
8	Magic Color	Off- Returns to the original mode. Demo - The screen before applying MagicColor appears on the right and the screen after applying MagicColor appears on the left. Full - Displays vivid natural color with clearness. Intelligent - Displays not only vivid natural color but also more realistic natural skin color with clearness.	Color menu of Magictune3.6



No	Feature	Feature	Operating method
9	Fast response time	Using the RTA (response time accelerator) chip, Dali-2 can support the fast response time(12ms) in Gray to Gray pattern.	
10	Detailed gamma and Color temperature control	Dali-2 can support 9 steps of gamma control and Color temperature .	Magic tune 3.6
11	Magic Bright	Support 6 steps as Text, Internet, Sports, Movie, Game, Custom	Magic tune 3.6
12	Sharpness	Support 26 steps for the detail control fitting up the signal quality of Video card.	Magic tune 3.6

2-4 DE17PS Specifications

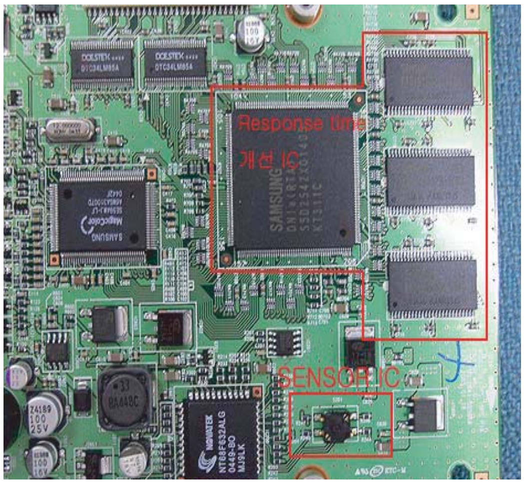
Item	Description
LCD Panel	TFT-LCD panel, RGB vertical stripe, normally black transmissive, 17-Inch viewable, 0.264 (H) x 0.264 (V) mm pixel pitch
Scanning Frequency	Horizontal : 30 kHz ~ 81 kHz (Automatic) Vertical : 56 Hz ~ 75 Hz
Display Colors	16.7 Million colors
Maximum Resolution	Horizontal : 1280 Pixels Vertical : 1024 Pixels
Input Video Signal	Analog, 0.7 Vp-p ± 1% positive at 75Ω , internally terminated
Input Sync Signal	Type : Seperate H/V sync, Composite H/V, Sync-on-Green (option), automatic synchronization without external switch of sync type Level : TTL level
Maximum Pixel Clock rate	135 MHz
Active Display Horizontal/Vertical	338 ± 3 mm / 270 ± 3 mm
AC power voltage & Frequency	AC 90 ~ 264 Volts, 60/50 Hz ± 3 Hz
Power Consumption	40W (Max)
Dimensions Set (W x D x H)	15.0 x 1.6 x 12.3 Inches (380 x 40.5 x 316.5 mm) 15.0 x 9.3 x 15.5 Inches (380 x 236x 394.6 mm) State of stand installed 15.0 x 3.9 x 12.5 Inches (380 x 99.3x 316.5 mm) State of stand folded
Package	17.9 x 5.6 x 17.2 Inches (455 x 141 x 437 mm)
Weight (Set/Package)	4.5 kg (9.9 lbs) / 6.15 kg (13.6 lbs)
Environmental Considerations	Operating Temperature : 50°F ~ 104°F (10°C ~ 40°C) Operating Humidity : 10 % ~ 80 % Storage Temperature : -13°F ~ 113°F (-25°C ~ 45°C) Storage Humidity : 5 % ~ 95 %
- Designs and specifications are subject to change without prior notice.	

2-5 DE19PS Specifications

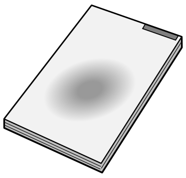
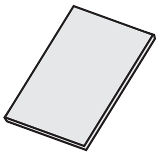
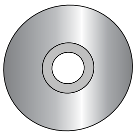
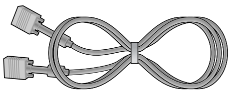
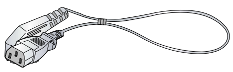
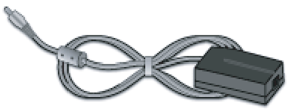
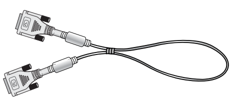
Item	Description
LCD Panel	TFT-LCD panel, RGB vertical stripe, normally black transmissive, 19-Inch viewable, 0.294 (H) x 0.294 (V) mm pixel pitch
Scanning Frequency	Horizontal : 30 kHz ~ 81 kHz (Automatic) Vertical : 56 Hz ~ 75 Hz
Display Colors	16.7 Million colors
Maximum Resolution	Horizontal : 1280 Pixels Vertical : 1024 Pixels
Input Video Signal	Analog, 0.7 Vp-p ± 1% positive at 75Ω , Digital, TMDS internally terminated
Input Sync Signal	Type : Seperate H/V sync, Composite H/V, Sync-on-Green, automatic synchronization without external switch of sync type Level : TTL level/TMDS(DIGITAL)
Maximum Pixel Clock rate	135 MHz
Active Display Horizontal/Vertical	376.32 (H)mm / 301.056 (V)mm
AC power voltage & Frequency	AC 100 ~ 240 VAC (+ / - 10%), 60 / 50 Hz ~ ± 3 Hz
Power Consumption	40 W (MAX)
Dimensions Set (W x D x H) Package	 16.7 x 1.7 x 13.8 Inches (423 x 44.2 x 351.5 mm) 16.7 x 9.3 x 16.2 Inches (423 x 236.2 x 412.7 mm) State of stand installed 16.7 x 4.1 x 13.8 Inches (423 x 103 x 351.5 mm) State of stand folded 20.6 x 17.8 x 7.2 Inches (524 x 453 x 183 mm)
Weight (Set/Package)	9.1 kg (20.1 lbs)
Environmental Considerations	Operating Temperature : 50°F ~ 104°F (10°C ~ 40°C) Operating Humidity : 10 % ~ 80 % Storage Temperature : -13°F ~ 113°F (-25°C ~ 45°C) Storage Humidity : 5 % ~ 95 %

-Designs and specifications are subject to change without prior notice.

2-6 Spec Comparison to the Old Models

Model	**DI17PS(173P)** **DI19PS(193P)**	**DE17PS(173P PLUS)** **DE19PS(193P PLUS)**
Repones Time	25ms (White to Black) No IC for the enhancement of the response time is applied.	12ms (Gray to Gray) The IC for the enhancement of the response time is applied.
Magic pivot	Manual(Pivot program)	AUTO(Pivot program + Sensor IC)
Magic color	X	O
Magic zone	X	O
Magic tune	Ver 2.0 Applied	Ver 3.6 Applied
PBA		
Additional portion	-	

2-7 Option Specification

Item	Item Name	CODE.NO	Remark
	Quick Setup Guide	BH68-00376L	
	Warranty Card (Not available in all locations)	BH68-70438A	
	User's Guide, Monitor Driver, Natural Color software, MagicTune™ software	BN59-00395F	
	D-Sub(15 Pin) Cable	BN39-00244B	
	Power Cord	3903-000042	
	ADAPTOR	BN44-00071A	
	DVI Cable	BN39-00341A	Sold separatelys

Memo

3 Alignments and Adjustments

This section of the service manual explains how to use the RS232 JIG.
This function is needed for AD board change and program memory (IC200) change.

3-1 Required Equipment

The following equipment is necessary for adjusting the monitor:
Computer with Windows 95, Windows 98, or Windows NT.
MTI-2031 DDC MANAGER JIG

3-2 Automatic Color Adjustment

To input video, use 16 gray or any pattern using black and white.
1. Switch the power button off (Monitor powered off)
2. Press and hold down the power button until you hear ten beeps.
3. Switch the power button on
4. Press and hold down the power button until the OSD displays.
5. Select Auto Adjustment from the menu.
(Press and hold down the power button to proceed with the next process/ press and release it to make a selection)

3-3 DDC EDID Data Input

1. Input DDC EDID data when replacing AD PCB.
2. Receive/Download the proper DDC file for the model from HQ quality control department.
   Install the below jig (Figure 1) and enter the data.

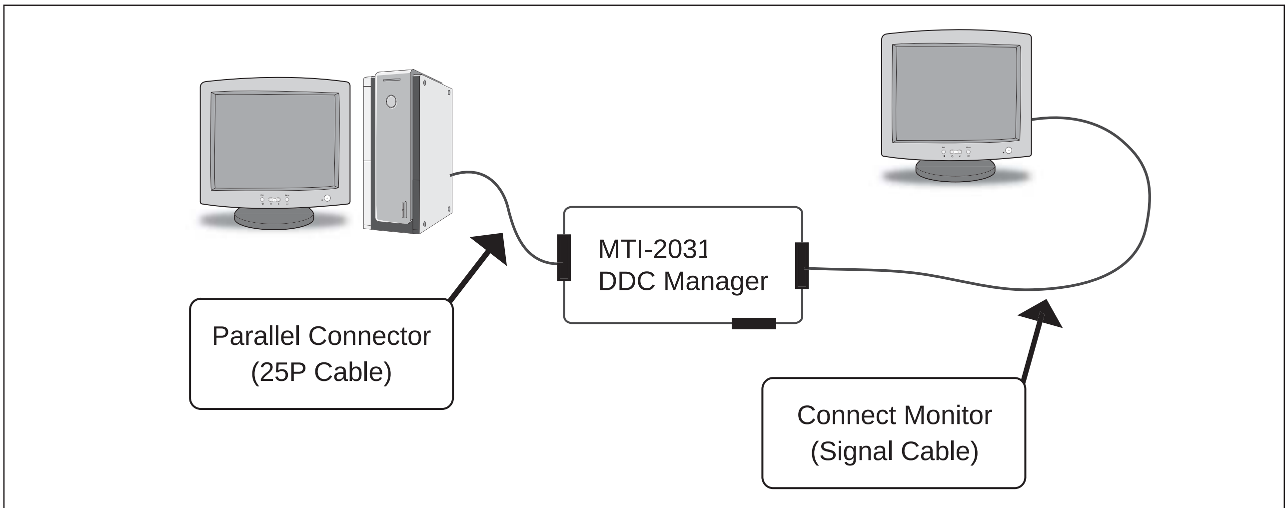


Figure 1.

3-4 OSD Adjustment When Replacing Panel

1. The OSD is displayed just like in 3-2.
2. Select Information.
3. Select a panel that you want to replace with.

3-5 OSD Adjustment When Replacing Lamp Only

1. The OSD is displayed just like in 3-2.
2. Select Information.
3. Select the upper lamp/ lower lamp.

-Note : *Please be sure to read the following instructions for details on service function.*

3-6 Service Function Spec.

3-6-1 How to Display Service Function OSD

1. The OSD is displayed just like in 3-2.
2. Select Exit from the menu to remove the OSD display.



Figure 2. The example of service function OSD

3-6-2 How to Control Service Function OSD

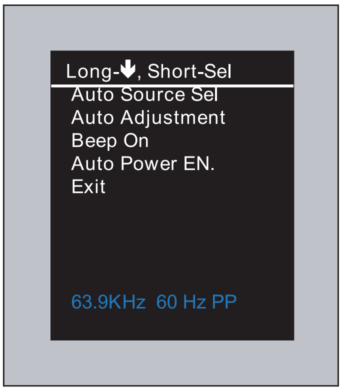
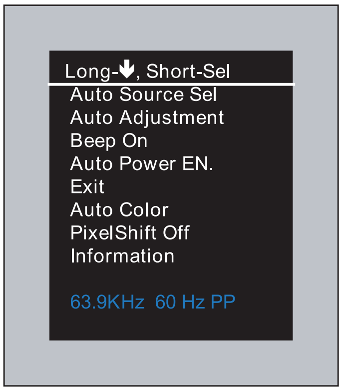
Press and hold down the power button to proceed with the next process/ press and release it to make a selection. When a selection is made, the OSD menu turns yellow.

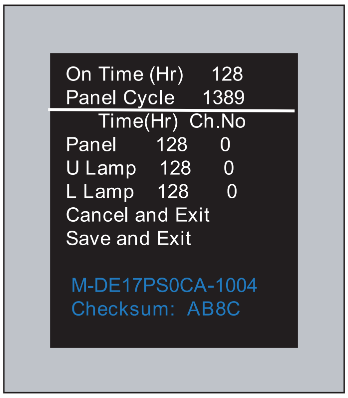




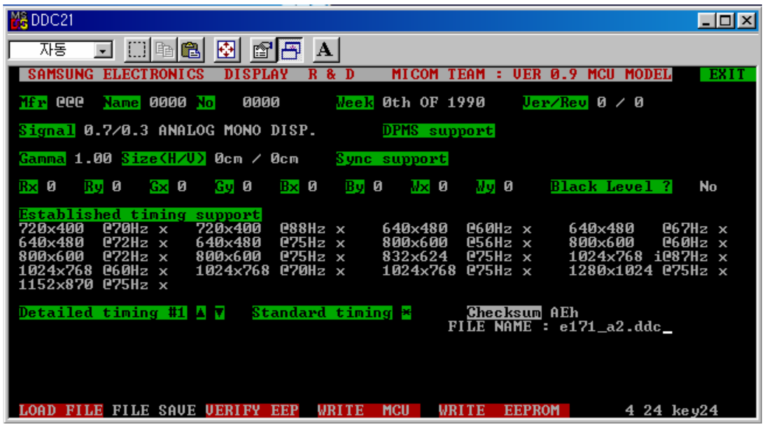
Figure 3.

3-7 Hidden Key list

No	Function	Operating method
1	Auto adjustment key	During Power ON Touch Power Button longer than for 3 seconds with two " beep“
2	Input Source selection key	During Power ON Touch Power Button for 2 seconds with a "beep" and release
3	User delete	During Power OFF, touch Power button for 5 seconds.
4	Hidden simple OSD mode  	1) During Power off, touch Power button with more than five times “beep”. 2) Then Power on, touch Power button for 15 seconds. During OSD display time, if you keep touching the Power key, the selected menu will be moved down. If you find the menu you wanted, please stop it on menu and touch the Power key one more time. Then you can change the function as you want. The Basic OSD function. 1)Auto source selection : Auto or Manual 2)Auto adjustment 3)Beep on : “beep” sound on/off 4)Auto Power EN: -. Enable: During DPMS status, it can be Blue LED off. -. Disable: During DPMS status, Blue LED is blinking
5	Hidden full Service OSD mode(1)  	1) During Power off, touch Power button with more than ten times “beep”.(It will be changed to long “beep” sound) 2) Then Power on, touch Power button for 15 seconds. During OSD display time, if you keep touching the Power key, the selected menu will be moved down. If you find the menu you wanted, please stop it on menu and touch the Power key one more time. Then you can change the function as you want. 1) Auto source selection : Auto or Manual 2) Auto adjustment 3) Beep on : “beep” sound on/off 4) Auto Power EN: -. Enable: During DPMS status, it can be Blue LED off. -. Disable: During DPMS status, Blue LED is blinking. 5) Auto Color : Auto Color calibration. 1024*768 60Hz 16gray Pattern. (please, refer to 16gray pattern on the left) 6) Pixelshift Off : It is only for a panel that it has the image sticking problem, -.at regular intervals, to the top, bottom, left and right, the 8 pixels of panel moves by 32 steps. At this time, User can not feel the movement of the pixel. -. Factory default setting is OFF

No	Function	Operating method
6	Hidden full Service OSD mode(2)  	7) Information : include several function regarding Monitor life time. 1 On Time : Power On Time 2 Panel Cycle : the number of Panel On/off times (It can be counted for Power on/off, Mode change, DPMS on/off) 3 Panel : on Time of Panel (If panel is changed, this function should be reset and count the number of change time) 4 U Lamp : Upper Lamp on time (If a Upper lamp is changed, this function should be reset and count the number of change time) But, Lamp change is impossible for Dali because panel for Dali can not support the lamp change. 5 L lamp : Lower lamp on time (If a Lower lamp is changed, this function should be reset and count the number of change time) But, Lamp change is impossible for Dali because a panel for Dali can not support the lamp change. 6 Cancel and Exit 7 Save and Exit 8 M- DE17PS0CA- 1004 : MCU firmware version If you found a compatibility problem, please inform us with this information. 9 Checksum : MCU firmware checksum If you found a compatibility problem, please inform us with this information.

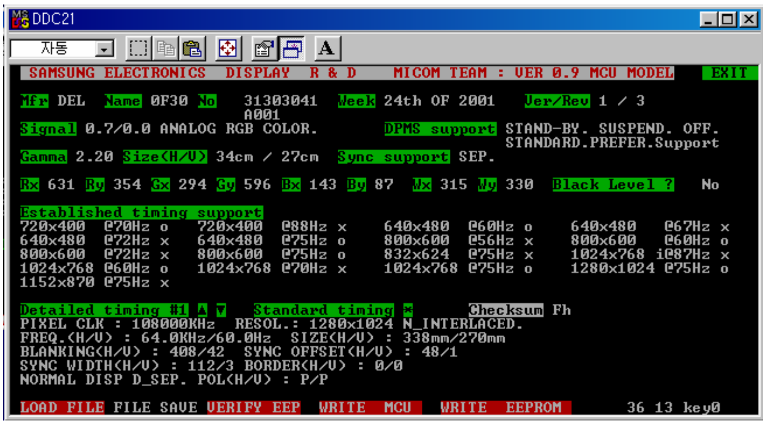
3-8 EDID Installation with Dos Program



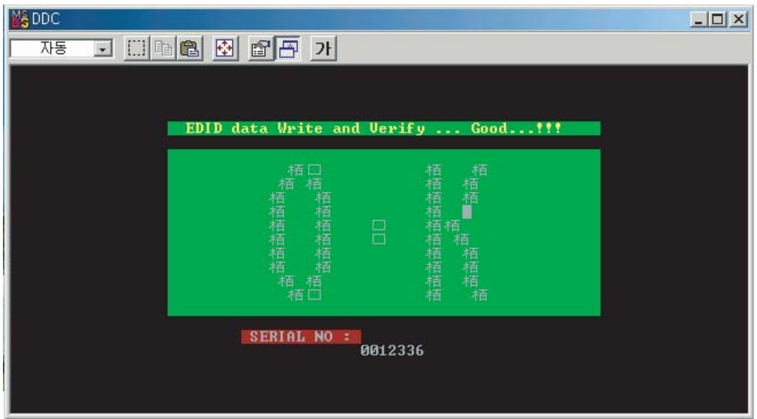
1.Execute "DDC21.exe"±

2.Click "LOAD FILE"±

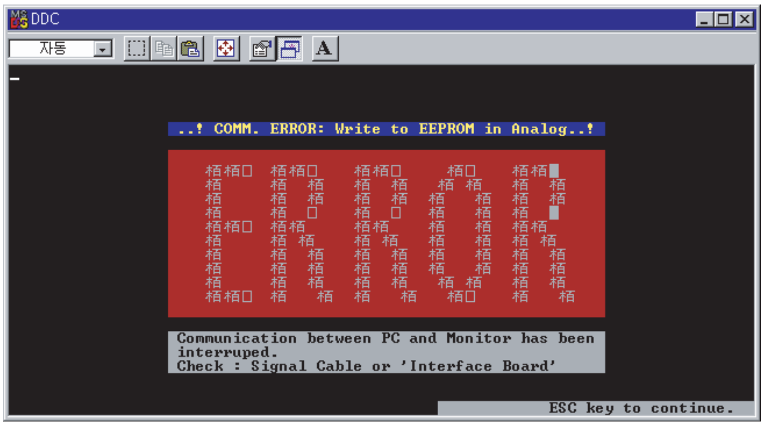
3.File Name "173PPA.ddc"±
"173PPD.ddc"±
"193PPA.ddc"±
"193PPD.ddc"±



4. Click "WRITE EEPROM"±

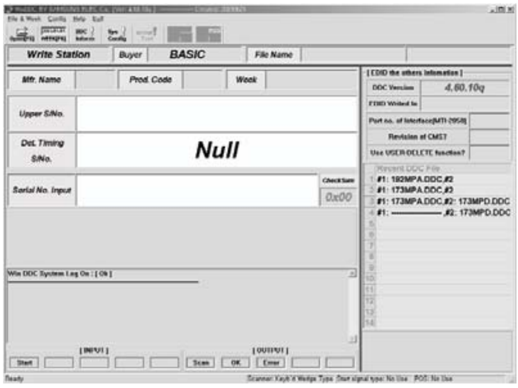


Confirm the "OK" Sign

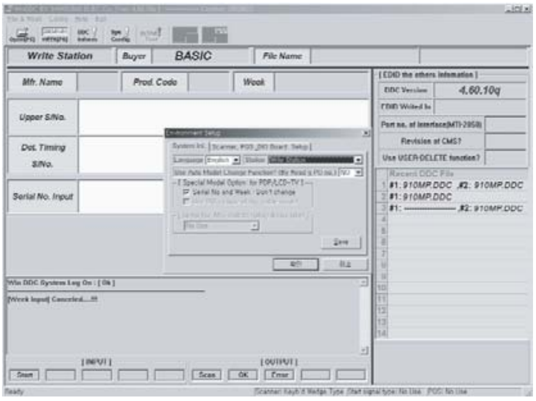


Error Massage: Check the Signal Cable
or Interface Board

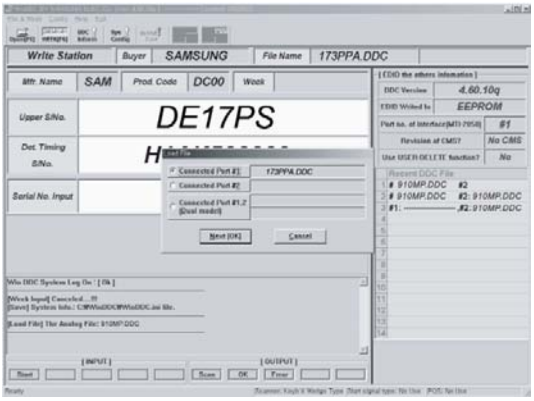
3-9 EDID Installation with Windows Program



1. Execute "WinDDC.exe"



2. Click "Sys Config"±
Select "Station : Write station".
Check "Serial No and Week : Don't change"±
Click "Save"±



3. Click "Open" icon.
Select "Connected Port #1" and Next "OK".
* File Name - 173PPA.DDC : Analog
Press enter key on your keyboard.



4. Confirm the "DDC OK".

- After Replacing the Main Board

-EDID Installation (Analog and Digital)

-Factory Reset(Using Power key)

During Power off, press Power key for 5 seconds.

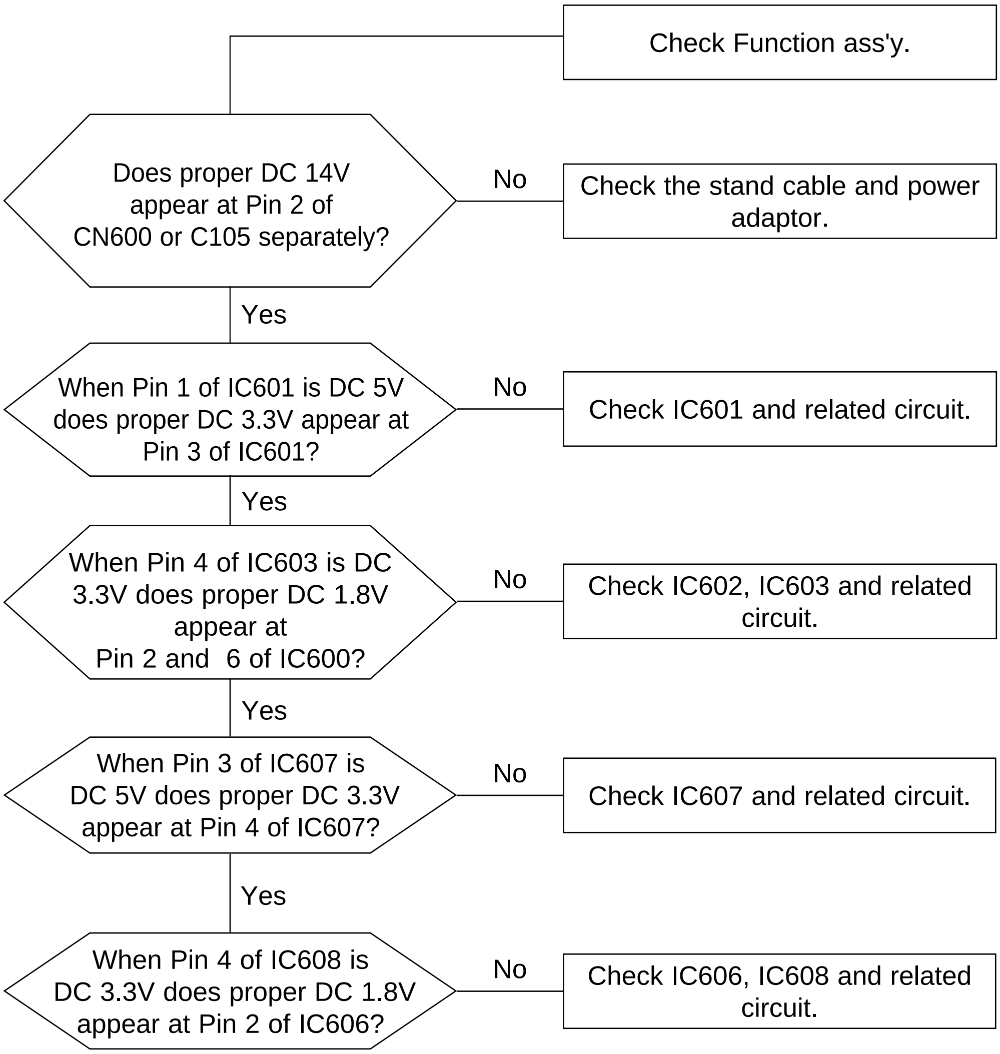
With 1 beep sound, Factory Reset executes.

4 Troubleshooting

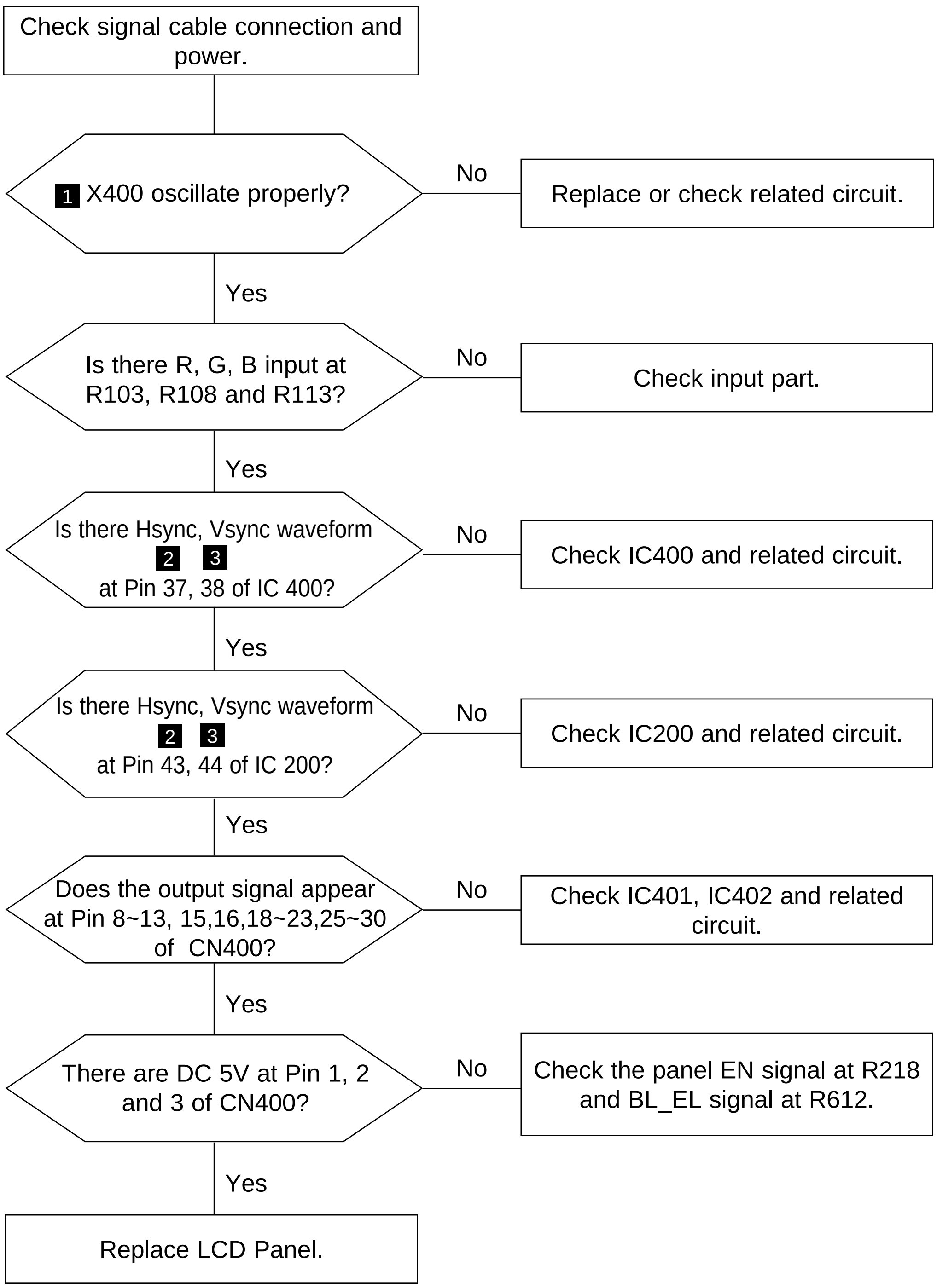
Notes: 1. Before troubleshooting, setup the PC's display as below.
- Resolution: 1280 x 1024
- H-frequency: 64 kHz
- V-frequency: 60 Hz

2. If no picture appears, make sure the power cord is correctly connected.
3. Check the following circuits.
   - No raster appears: Function PBA, Main PBA, Inverter
   - 5V develop but no screen: Main PBA
   - 14V, 5V does not develop: Adaptor, Main PBA
4. During power off if you push and hold the "Power key" button for more than 5 seconds, the monitor automatically returns to the factory preset.

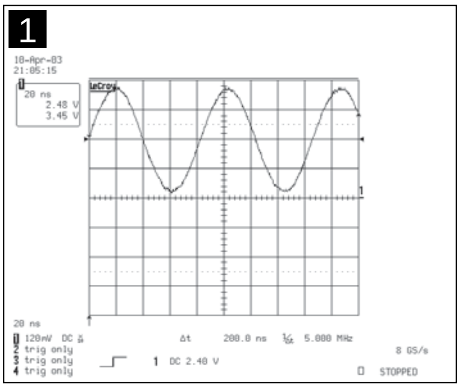
4-1 No Power (DE17PS/DE19PS)

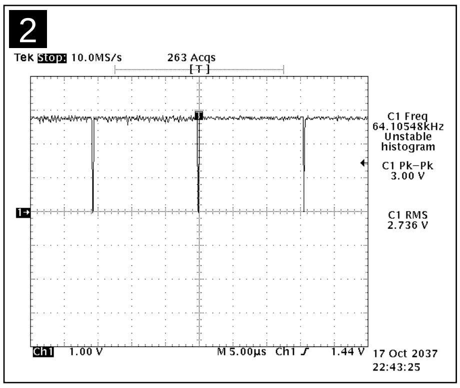


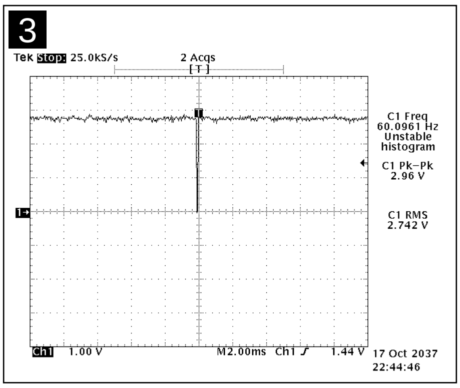
4-2 No Video (ANALOG)



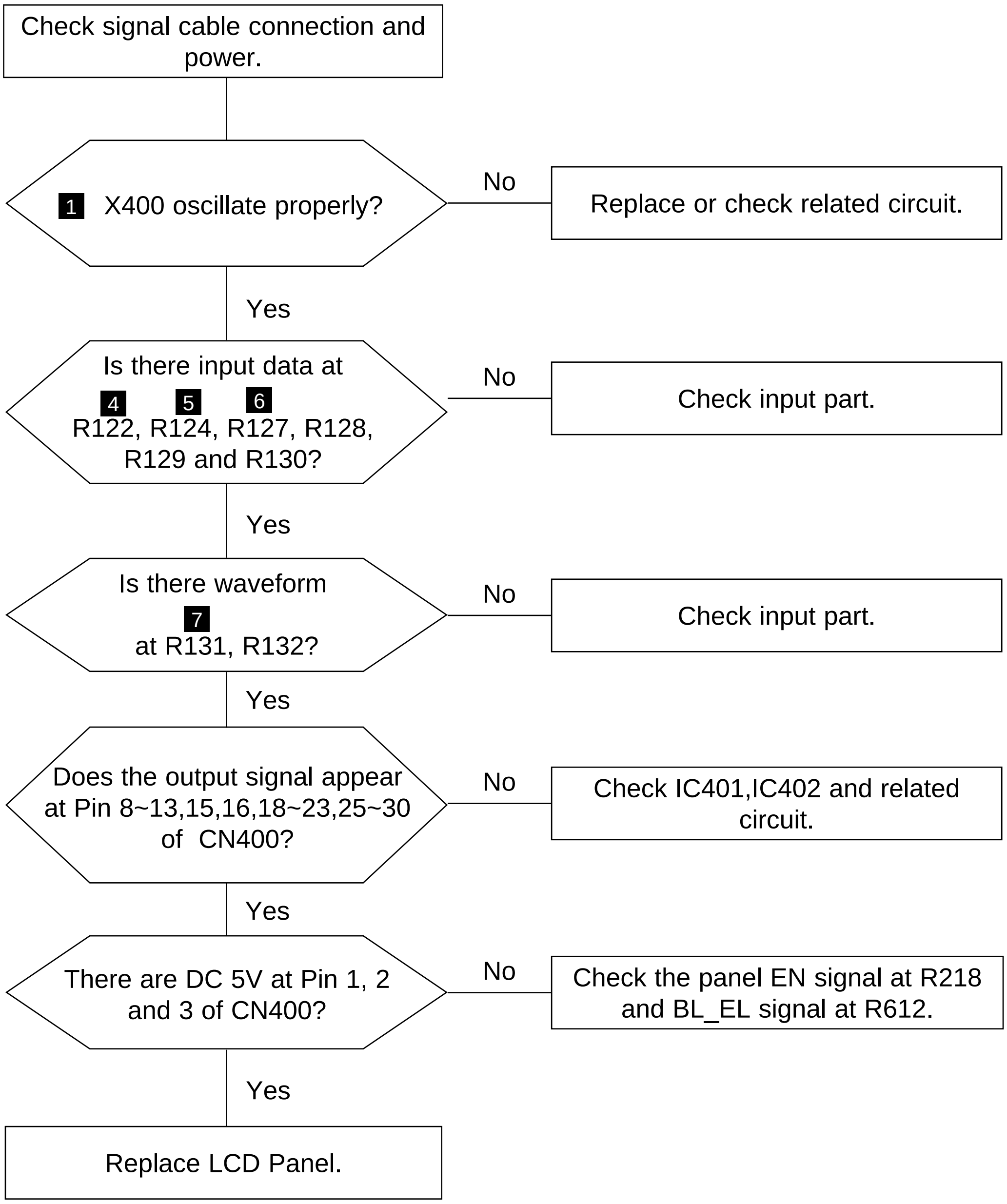
WAVEFORMS

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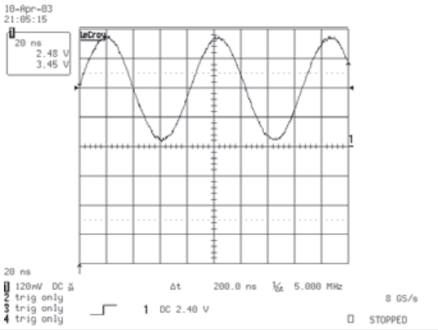
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4-3 No Video (DIGITAL)

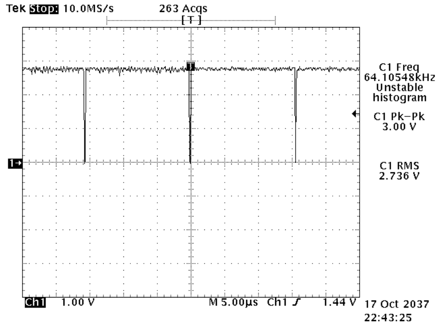


WAVEFORMS

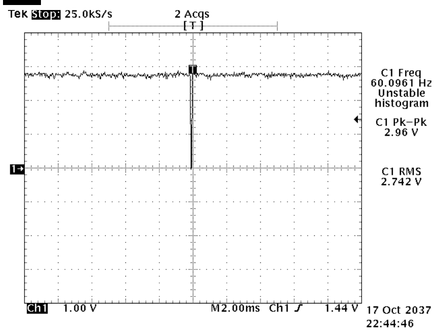
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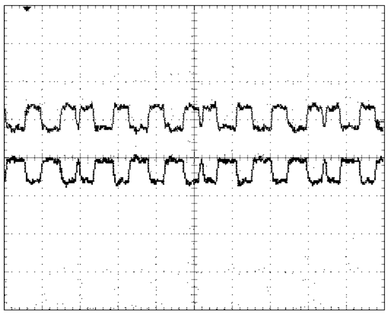
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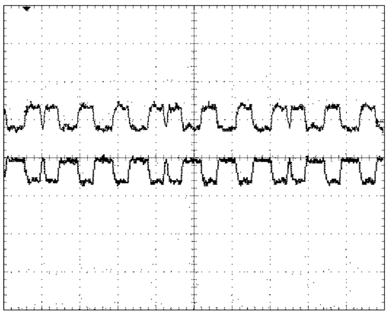
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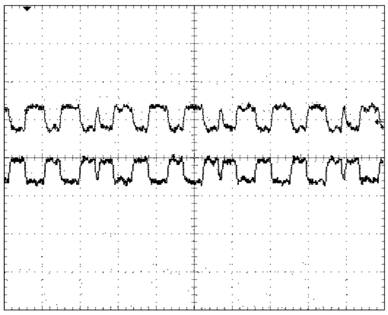
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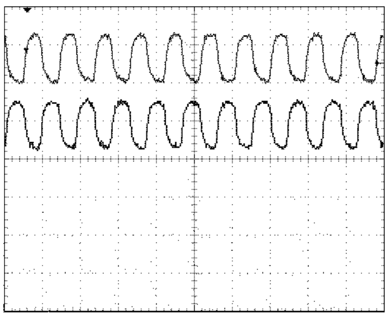
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6



7

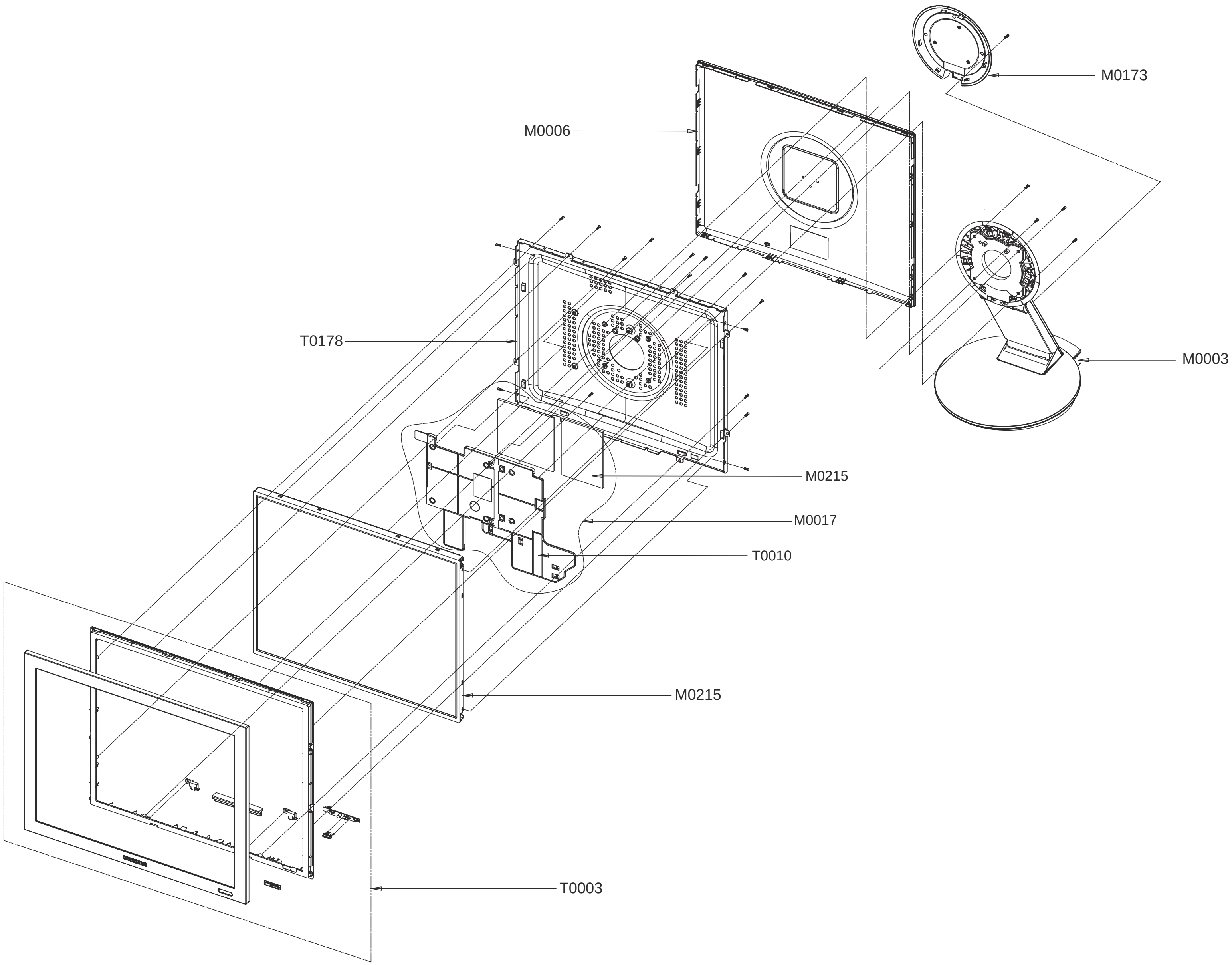


Memo

5 Exploded View and Parts List

-You can search for updated part codes through ITSELF web site.
URL : http://itself. sec. samsung.co.kr

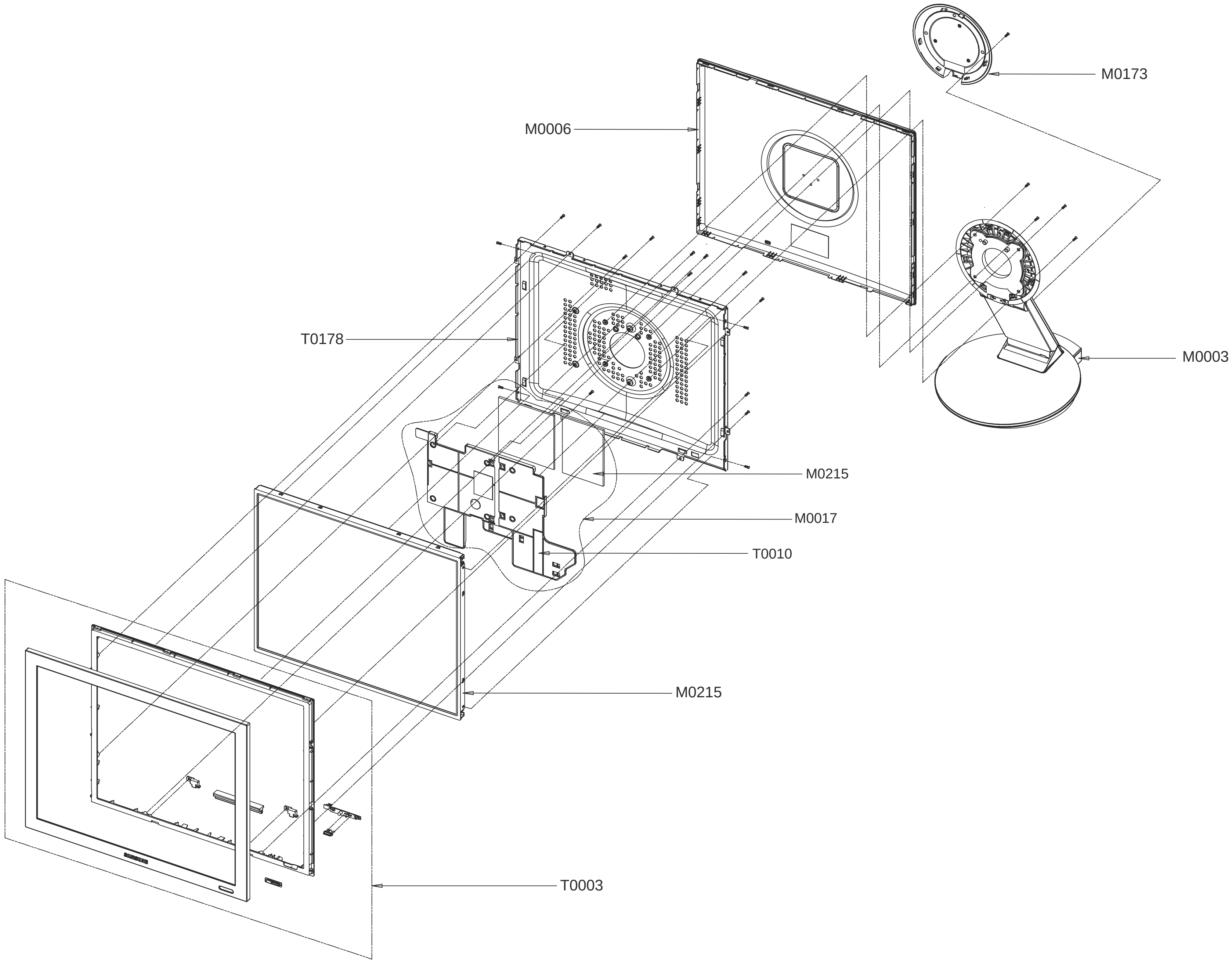
5-1 DE17PSQFV/XAX Exploded View



5-2 DE17PSQFV/XAX Parts List

Location	Code.No	Item & Specification	Q'ty	SA/SNA	Remark
T0003	BN96-00778E	ASSY COVER P-FRONT;DI17PS,ABS HB,BLACK	1	S.A	
M0215	BN07-00218A	LCD-PANEL;LTM170E8-L21,Dali2,6BIT FRC,35	1	S.A	
T0010	BN61-01598A	HOLDER-SUB PCB;DI17PS,ABS HB,T1.8,IV16,D	1	S.N.A	
M0017	BN91-00836T	ASSY CHASSIS-E19;DE17PSQAQ/EDC,DALI2	1	S.A	
M0215	BN44-00103B	INVERTER;RL17,SIC842,13.0~14.5V,2.0MA,7.	1	S.A	
T0178	BN63-01034A	SHIELD-PCB;DALI 17,SECC,T1.0	1	S.N.A	
M0006	BN63-01035C	COVER-REAR;DALI 17,ABS HB BK21,CLP-2402H	1	S.A	
M0173	BN96-00890B	ASSY STAND P-CAP;DALI 17_19,ABS HB,BLACK	1	S.A	
M0003	BN96-01998B	ASSY STAND P;DE17P (S/M 173 PLUS),ABS HB	1	S.A	

5-3 DE17PSQRV/XAX Exploded View



5-4 DE17PSQRV/XAX Parts List

Location	Code.No	Item & Specification	Q'ty	SA/SNA	Remark
T0003	BN96-00778G	ASSY COVER P-FRONT;DI17PS,ABS HB,RED	1	S.A	
M0215	BN07-00218A	LCD-PANEL;LTM170E8-L21,Dali2,6BIT FRC,35	1	S.A	
T0010	BN61-01598A	HOLDER-SUB PCB;DI17PS,ABS HB,T1.8,IV16,D	1	S.N.A	
M0017	BN91-00836T	ASSY CHASSIS-E19;DE17PSQAQ/EDC,DALI2	1	S.A	
M0215	BN44-00103B	INVERTER;RL17,SIC842,13.0~14.5V,2.0MA,7.	1	S.A	
T0178	BN63-01034A	SHIELD-PCB;DALI 17,SECC,T1.0	1	S.N.A	
M0006	BN63-01035E	COVER-REAR;DALI 17,ABS HB RD01,RDP-2407,	1	S.A	
M0173	BN96-00890D	ASSY STAND P-CAP;DALI 17_19,ABS HB,RED	1	S.A	
M0003	BN96-01998D	ASSY STAND P;DE17P (S/M 173 PLUS),ABS HB	1	S.A	

6 Electrical Parts List

6-1 DE17PSQFV/XAX Parts List

Code No.	Loc. No.	Description	Specification	EA	SA/SNA	Remarks
		DE17PSQFV/XAX	173P PLUS,DE17P,17,LCD-MO,MEXICO			
0.1	M0001	BN90-00662C	ASSY COVER FRONT;DI17PSQFV/*,AL+BK07,BLA	1	S.N.A	
..2	T0003	BN96-00778E	ASSY COVER P-FRONT;DI17PS,ABS HB,BLACK	1	S.A	
...3	M0081	6003-001522	SCREW-TAPTITE;CH,+,B,M3,L8,ZPC(YEL),SWRC	4	S.N.A	
...3	C/F	BN61-00809A	HOLDER-COVER LOCK;DALI 17,ABS	2	S.N.A	
...3	M0112	BN63-01032B	COVER-FRONT;DALI 17,AL T1.0 BKN-8412	1	S.N.A	
...3	T0069	BN63-01033C	COVER-MIDDLE;DALI 17,ABS HB BK07	1	S.N.A	
...3	C/F	BN64-00221A	DECORATION-LED;DALI 17,PC CLEAR	1	S.N.A	
...3	M0007	BN64-00225A	KNOB-FUNCTION;DALI 17,ABS HB	1	S.N.A	
...3	C/F	BN73-00061B	RUBBER-PROTECT;DALI 17,RUBBER,BLK,PANTON	1	S.N.A	
...3	M0145	BN96-00848A	ASSY BOARD P-FUNCTION;DI17PS,FUNCTION	1	S.A	
0.1	M0002	BN90-00666A	ASSY COVER REAR;DI17PSQFV/,AL+BK07,BLACK	1	S.N.A	
..2	M0006	BN63-01035C	COVER-REAR;DALI 17,ABS HB BK21,CLP-2402H	1	S.A	
0.1	M0216	BN90-00706N	ASSY STAND;DE17PSQFV/EDC	1	S.N.A	
..2	M0003	BN96-01998B	ASSY STAND P;DE17P (S/M 173 PLUS),ABS HB	1	S.A	
...3	T0081	6001-000346	SCREW-MACHINE;FH,+,M3,L4,ZPC(YEL),SWRCH1	2	S.N.A	
...3	M0081	6003-000115	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC	5	S.N.A	
...3	M0081	6003-000276	SCREW-TAPTITE;BH,+,-,B,M3,L10,ZPC(YEL),S	4	S.N.A	
...3	M0081	6003-000301	SCREW-TAPTITE;BH,+,S,M4,L6,ZPC(YEL),SWRC	1	S.N.A	
...3	M0081	6003-001010	SCREW-TAPTITE;FH,+,B,M3,L6,ZPC(YEL),SWRC	3	S.N.A	
...3	M0081	6003-001119	SCREW-TAPTITE;FH,+,-,S,M4,L10,ZPC(BLK),S	4	S.N.A	
...3	M0081	6003-001136	SCREW-TAPTITE;BH,+,B,M4,L8,ZPC(YEL),SWRC	4	S.N.A	
...3	M0081	6003-001185	SCREW-TAPTITE;FH,+,B,M3,L8,NI PLT,SWRCH1	12	S.N.A	
...3	M0081	6003-001238	SCREW-TAPTITE;FH,+,S,M4,L8,ZPC(BLK),SWRC	3	S.N.A	
...3	STD	6011-001445	BOLT-SOCKET;4-40 UNC,L7,NI PLT,BRASS,HEX	4	S.N.A	
...3	M0326	6501-000113	CABLE TIE;DA-100,T1,W2.5,L102,WHT,NYLON	1	S.N.A	
...3	M0134	BN39-00452A	CBF-STAND CABLE;DI17PS,UL20276#32,UL,15P	1	S.A	
...3	M0142	BN61-00251A	FOOT-RUBBER;GH17BS,RUBBER,T1.6	4	S.N.A	
...3	STD	BN61-00827B	STAND-REAR BODY;DI1*PS,ABS HB,BK21,CLP-2	1	S.N.A	
...3	STD	BN61-00828B	STAND-NECK FRONT;DI1*PS,ABS HB,BK07	1	S.N.A	
...3	STD	BN61-00830B	STAND-FRONT BODY;DI1*PS,ABS HB,BK07	1	S.N.A	
...3	STD	BN61-00841B	STAND-REAR DECO;DI1*PS,ABS HB,BK21,CLP-2	1	S.N.A	
...3	STD	BN61-00844B	STAND-HINGE COVER;DI1*PS,ABS HB,BK07	1	S.N.A	
...3	M0009	BN61-00854B	STAND-BOTTOM;DI1*PS,ABS HB,BK07	1	S.N.A	
...3	STD	BN61-00855B	STAND-JACK COVER;DI1*PS,ABS HB,BK07	1	S.N.A	
...3	STD	BN61-00856A	STAND-SWIVEL;DALI 17,ABS	1	S.N.A	
...3	STD	BN61-00857B	STAND-SWIVEL COVER;DI1*PS,ABS HB,BK07	1	S.N.A	
...3	STD	BN61-00859B	STAND-COVER AL;DALI 17,AL,BLK T1.0,BKN-8	1	S.N.A	
...3	STD	BN61-00860A	STAND-BOTTOM AL;DALI 17,AL	1	S.N.A	
...3	STD	BN61-00880A	STAND-GUIDE AL;DALI 17,ABS	1	S.N.A	
...3	M0131	BN63-00951A	GASKET;RT15NS,CONDUCTIVE FAB,5,17,60,GRA	1	S.N.A	
...3	STD	BN63-01036B	COVER-REARCAP BOTTOM;DI1*PS,ABS HB BK13	1	S.N.A	
...3	STD	BN63-01056B	COVER-REARCAP SUB;DI1*PS,ABS HB,BK07	1	S.N.A	
...3	STD	BN63-01161A	PROTECTOR-TAPE;DI17PS,T0.4,9*30	6	S.N.A	
...3	M0122	BN96-00839A	ASSY MISC P-HINGE;DI17PS,ZNCD2	1	S.N.A	
...3	T0346	BN96-00882A	ASSY MISC P-PIVOT HINGE;DI17PS	1	S.N.A	
...3	M0081	6003-000008	SCREW-TAPTITE;BH,+,S,M3,L4,ZPC3,SWRCH18A	1	S.N.A	
0.1	M0112	BN91-00752B	ASSY SHIELD;DI17PSQFV/*,BLACK	1	S.N.A	
..2	T0081	6001-000113	SCREW-MACHINE;FH,+,M3,L5,ZPC(BLK),SWRCH1	1	S.A	
..2	T0081	6001-000346	SCREW-MACHINE;FH,+,M3,L4,ZPC(YEL),SWRCH1	4	S.N.A	
..2	M0081	6003-000282	SCREW-TAPTITE;BH,+,-,B,M3,L8,ZPC(BLK),SW	8	S.N.A	
..2	M0081	6003-001238	SCREW-TAPTITE;FH,+,S,M4,L8,ZPC(BLK),SWRC	4	S.N.A	

Code No.	Loc. No.	Description	Specification	EA	SA/SNA	Remarks
..2	M0081	6003-001336	SCREW-TAPTITE;CH,+,S,M3,L5.5,ZPC(YEL),SW	4	S.N.A	
..2	T0081	BN96-00837A	ASSY MISC P-SHIELD PCB;DI17PS,SECC T1.0	1	S.N.A	
...3	T0178	BN63-01034A	SHIELD-PCB;DALI 17,SECC,T1.0	1	S.N.A	
..2	M0173	BN96-00890B	ASSY STAND P-CAP;DALI 17_19,ABS HB,BLACK	1	S.A	
...3		BN63-01038B	COVER-REARCAP TOP;DALI,ABS HB BK12,CLP-2	1	S.N.A	
...3	CCM1	BN63-01039A	SHIELD-CAP;DALI 17,SPTE T0.3	1	S.N.A	
0.1	M0017	BN91-00836T	ASSY CHASSIS-E19;DE17PSQAQ/EDC,DALI2	1	S.A	
..2	M2893	BN39-00419A	LEAD CONNECTOR;DS17BS,UL1571#30,UL/CSA,1	1	S.A	
..2	M2893	BN39-00431A	LEAD CONNECTOR-LVDS;DI17PS,UL1571#30,UL/	1	S.A	
..2	M2893	BN39-00446A	LEAD CONNECTOR;DI17PS,UL1061#28,UL/CSA,4	1	S.A	
..2	M0215	BN44-00103B	INVERTER;RL17,SIC842,13.0~14.5V,2.0MA,7.	1	S.A	
..2	T0010	BN61-01598A	HOLDER-SUB PCB;DI17PS,ABS HB,T1.8,IV16,D	1	S.N.A	
..2	M0014	BN94-00642Q	ASSY PCB MAIN-E19;DE17PSQAQ/EDC,DALI2	1	S.A	
...3	BZ201	3002-001123	BUZZER-PIEZO;85DB,9VDC,8MA ,4.4KHZ +/- 0	1	S.A	
...3	CN101	3711-005506	HEADER-BOARD TO CABLE;BOX,22P,2R,2mm,STR	1	S.A	
...3	CN102	3711-005507	HEADER-BOARD TO CABLE;BOX,20P,2R,2mm,STR	1	S.A	
...3	T0174	BN97-00512H	ASSY SMD;DE17PSQAQ/EDC,DALI2	1	S.N.A	
....4	D100	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D101	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D102	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D103	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D104	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D105	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D106	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D107	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D108	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D109	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D110	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D600	0402-000553	DIODE-SCHOTTKY;"SS24,B240",40V,2000mA,DO	1	S.A	
....4	ZD100	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD101	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD102	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD103	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD104	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD105	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD106	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD107	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD108	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD109	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD110	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD111	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD112	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD113	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD114	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD115	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD116	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD201	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD202	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	Q201	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A	
....4	Q600	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A	
....4	Q601	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A	
....4	Q602	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A	
....4	Q409	0505-001170	FET-SILICON;SI9933ADY-T1,P,-20V,3.4A,0.0	1	S.A	
....4	IC109	1003-001538	IC-LCD CONTROLLER;S5D2542X,LQFP,208P,28X	1	S.A	
....4	IC109	1003-001789	IC-LCD CONTROLLER;SE59AWJ-LF,PQFP,128P,2	1	S.A	
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x	1	S.A	
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x	1	S.A	
....4	IC112	1103-001023	IC-EEPROM;24C08,8Kbit,1Kx8Bit,SOP,8P,5x4	1	S.A	

Code No.	Loc. No.	Description	Specification	EA	SA/SNA	Remarks
....4	IC604	1202-000164	IC-VOLTAGE COMP.;393,SOP,8P,150MIL,DUAL,	1	S.A	
....4	T0087	1203-002425	IC-POSI.FIXED REG.;AP1117,SOT-223,3P,138	1	S.A	
....4	T0087	1203-002842	IC-POSI.FIXED REG.;AP1117D-33A,TO-252,3P	1	S.A	
....4	T0087	1203-002842	IC-POSI.FIXED REG.;AP1117D-33A,TO-252,3P	1	S.A	
....4	T0087	1203-002842	IC-POSI.FIXED REG.;AP1117D-33A,TO-252,3P	1	S.A	
....4	T0087	1203-002844	IC-POSI.FIXED REG.;AP1117D-18A,TO-252-3L	1	S.A	
....4	T0087	1203-002844	IC-POSI.FIXED REG.;AP1117D-18A,TO-252-3L	1	S.A	
....4	T0170	1203-003059	IC-SWITCH VOL. REG.;MP1583,SOIC,8P,4.9x3	1	S.A	
....4	IC120	1205-002412	IC-TRANSMITTER;DTC34LM85A,TSSOP,56P,14x6	1	S.A	
....4	IC120	1205-002412	IC-TRANSMITTER;DTC34LM85A,TSSOP,56P,14x6	1	S.A	
....4	R608	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A	
....4	R708	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R709	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R710	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R711	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R712	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R713	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R701	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A	
....4	R702	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A	
....4	R704	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A	
....4	R705	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A	
....4	R706	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A	
....4	R707	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A	
....4	R121	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A	
....4	R123	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A	
....4	R402	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A	
....4	R107	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R109	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R118	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R119	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R200	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R201	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R217	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R219	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R220	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R222	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R228	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R229	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R231	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R232	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R233	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R234	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R235	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R236	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R237	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R238	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R239	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R240	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R241	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R242	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R248	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R250	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R221	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A	
....4	R213	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R101	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R120	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R700	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R703	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R125	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A	

Code No.	Loc. No.	Description	Specification	EA	SA/SNA	Remarks
....4	R126	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R205	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R206	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R207	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R208	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R209	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R212	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R214	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R215	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R223	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R224	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R225	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R226	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R227	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R230	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R100	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R202	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R216	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R218	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R243	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R244	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R245	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R246	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R247	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R603	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R604	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R606	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R607	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R609	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R612	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R115	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R116	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R210	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R211	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R104	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R105	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R401	2007-000118	R-CHIP;390ohm,5%,1/10W,TP,1608	1	S.A	
....4	R102	2007-000287	R-CHIP;100OHM,1%,1/10W,TP,1608	1	S.A	
....4	R106	2007-000287	R-CHIP;100OHM,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000287	R-CHIP;100OHM,1%,1/10W,TP,1608	1	S.A	
....4	R111	2007-000287	R-CHIP;100OHM,1%,1/10W,TP,1608	1	S.A	
....4	R112	2007-000287	R-CHIP;100OHM,1%,1/10W,TP,1608	1	S.A	
....4	R114	2007-000287	R-CHIP;100OHM,1%,1/10W,TP,1608	1	S.A	
....4	R122	2007-000659	R-CHIP;27ohm,5%,1/10W,TP,1608	1	S.A	
....4	R124	2007-000659	R-CHIP;27ohm,5%,1/10W,TP,1608	1	S.A	
....4	R127	2007-000659	R-CHIP;27ohm,5%,1/10W,TP,1608	1	S.A	
....4	R128	2007-000659	R-CHIP;27ohm,5%,1/10W,TP,1608	1	S.A	
....4	R129	2007-000659	R-CHIP;27ohm,5%,1/10W,TP,1608	1	S.A	
....4	R130	2007-000659	R-CHIP;27ohm,5%,1/10W,TP,1608	1	S.A	
....4	R131	2007-000659	R-CHIP;27ohm,5%,1/10W,TP,1608	1	S.A	
....4	R132	2007-000659	R-CHIP;27ohm,5%,1/10W,TP,1608	1	S.A	
....4	R400	2007-000821	R-CHIP;390ohm,1%,1/10W,TP,1608	1	S.A	
....4	R602	2007-000962	R-CHIP;5.1Kohm,1%,1/10W,TP,1608	1	S.A	
....4	R601	2007-000965	R-CHIP;5.1Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R117	2007-001002	R-CHIP;510ohm,5%,1/10W,TP,1608	1	S.A	
....4	R203	2007-001002	R-CHIP;510ohm,5%,1/10W,TP,1608	1	S.A	
....4	R204	2007-001002	R-CHIP;510ohm,5%,1/10W,TP,1608	1	S.A	
....4	R103	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A	
....4	R108	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A	

Code No.	Loc. No.	Description	Specification	EA	SA/SNA	Remarks
....4	R113	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A	
....4	R600	2007-007841	R-CHIP;16.2Kohm,1%,1/10W,TP,1608	1	S.A	
....4	RA700	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA701	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA702	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA703	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA704	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA705	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA706	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA707	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA708	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA709	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA710	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA711	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA712	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA713	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA714	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA715	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA716	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA717	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA718	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA719	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA720	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA721	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA722	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA723	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA724	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA725	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA726	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA727	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA728	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA729	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA730	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA731	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA732	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA733	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA734	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA735	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA736	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA737	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA738	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA739	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA740	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	C427	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C428	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C429	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C431	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C432	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C433	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C434	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C437	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C438	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C439	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C603	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C607	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C700	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C701	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C702	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C703	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	

Code No.	Loc. No.	Description	Specification	EA	SA/SNA	Remarks
....4	C704	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C705	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C706	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C707	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C708	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C709	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C710	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C711	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C712	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C713	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C714	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C715	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C716	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C717	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C718	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C719	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C720	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C721	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C722	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C723	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C724	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C725	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C726	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C727	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C728	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C729	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C118	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C608	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C409	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A	
....4	C423	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A	
....4	C600	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A	
....4	C604	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A	
....4	C605	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A	
....4	C623	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A	
....4	C424	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	S.A	
....4	C425	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	S.A	
....4	C731	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A	
....4	C114	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	1	S.A	
....4	C100	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C101	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C102	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C103	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C104	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C106	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C107	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C108	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C109	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C110	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C111	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C112	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C113	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C115	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C116	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C117	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C119	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C201	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C400	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C402	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C403	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	

Code No.	Loc. No.	Description	Specification	EA	SA/SNA	Remarks
....4	C404	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C405	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C406	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C407	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C408	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C411	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C412	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C413	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C414	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C415	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C416	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C417	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C418	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C419	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C420	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C421	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C422	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C436	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C612	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C613	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C616	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C617	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C625	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C627	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C630	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C203	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A	
....4	C204	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A	
....4	C621	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A	
....4	C622	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A	
....4	C740	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A	
....4	C200	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,3216	1	S.A	
....4	C202	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,3216	1	S.A	
....4	C401	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,3216	1	S.A	
....4	C410	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,3216	1	S.A	
....4	C426	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,3216	1	S.A	
....4	C614	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,3216	1	S.A	
....4	C615	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,3216	1	S.A	
....4	C619	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,3216	1	S.A	
....4	C620	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,3216	1	S.A	
....4	C626	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,3216	1	S.A	
....4	C628	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,3216	1	S.A	
....4	C629	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,3216	1	S.A	
....4	C631	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,3216	1	S.A	
....4	C632	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,3216	1	S.A	
....4	C730	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,3216	1	S.A	
....4	C606	2203-006036	C-CER,CHIP;680NF,+80-20%,16V,Y5V,TP,1608	1	S.A	
....4	C611	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.7m	1	S.A	
....4	C430	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	S.A	
....4	C435	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	S.A	
....4	C610	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	S.A	
....4	C618	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	S.A	
....4	C105	2402-001044	C-AL,SMD;100UF,20%,25V,GP,TP,8.3X8.3X6.3	1	S.A	
....4	C601	2402-001044	C-AL,SMD;100UF,20%,25V,GP,TP,8.3X8.3X6.3	1	S.A	
....4	C609	2409-001051	C-ORGANIC;82UF,20%,6.3V,WT,TP,6.3*5.9MM,	1	S.A	
....4	C624	2409-001065	C-ORGANIC;82uF,20%,16V,WT,TP,8X6.9mm,-	1	S.A	
....4	C602	2409-001086	C-ORGANIC;10uF,20%,20V,WT,TP,5.3x5.3x6.0	1	S.A	
....4	X400	2801-003773	CRYSTAL-SMD;12MHz,30ppm,28-AAN,20pF,50oh	1	S.A	
....4	T0568	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,-,-,-	1	S.N.A	
....4	T0568	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,-,-,-	1	S.N.A	

Code No.	Loc. No.	Description	Specification	EA	SA/SNA	Remarks
....4	T0568	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,-,-,-	1	S.N.A	
....4	T0568	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,-,-,-	1	S.N.A	
....4	T0568	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,-,-,-	1	S.N.A	
....4	CN400	3711-005470	HEADER-BOARD TO CABLE;BOX,30P,1R,1.25mm,	1	S.A	
....4	CN601	3711-005471	HEADER-BOARD TO CABLE;BOX,12P,1R,1.25mm,	1	S.A	
....4	T0010	BN27-00009A	COIL CHOKE;SMD 12X12X6,EOS,33UH,15%,-,0.	1	S.A	
....4	S201	BN32-00005A	SENSOR SW-TILT;SPSF100100,DC5V,1mA,-10 ~	1	S.A	
....4	M0018	BN97-00489N	ASSY MICOM;DE17PS*,W/W	1	S.A	
.....5	IC520	0903-001402	IC-MICROCONTROLLER;NT68F632ALG,8Bit,PLCC	1	S.N.A	
....4	R610	2007-000208	R-CHIP;1.1Kohm,1%,1/10W,TP,1608	1	S.A	
....4	CN200	3711-005509	HEADER-BOARD TO CABLE;BOX,4P,1R,1.25mm,S	1	S.A	
....4	R605	2007-000842	R-CHIP;3Kohm,1%,1/10W,TP,1608	1	S.A	
....4	CIS7	0202-001477	SOLDER-CREAM;LST309-M,-,D20~45§-,96.5Sn/	1.95	S.N.A	
....4	IC113	1105-001284	IC-DRAM;636165,-,16Mbit,1Mx16Bit,TSOP,50	1	S.A	
....4	IC113	1105-001284	IC-DRAM;636165,-,16Mbit,1Mx16Bit,TSOP,50	1	S.A	
....4	IC113	1105-001284	IC-DRAM;636165,-,16Mbit,1Mx16Bit,TSOP,50	1	S.A	
....4	T0077	BN41-00586C	PCB MAIN;DALI-2,FR-4,4L,MP1.2,1.0T,145*1	1	S.N.A	
...3	CIS2	BN60-00011B	FASTENER-PEM NUT;DE17PS,FASTENER-PEM/NUT	4	S.N.A	
...3	T0245	0202-001522	SOLDER-WIRE FLUX;LFA3-107,-,D1.2,96.5Sn/	0.01	S.N.A	
..2	M0131	BN63-01079A	GASKET;,CONDUCTIVE FAB,4MM,10MM,10MM,GRA	1	S.N.A	
0.1		BN91-00841Q	ASSY LCD-SPZ(DALI2);DE17PS*	1	S.N.A	
..2	M0215	BN07-00218A	LCD-PANEL;LTM170E8-L21,Dali2,6BIT FRC,35	1	S.A	
..2	M0131	BN63-00995A	GASKET;GY17MS,CONDUCTIVE FAB,4MM,15MM,10	1	S.N.A	
0.1	M0113	BN92-00956A	ASSY P/MATERIAL;DI17PS,BASIC	1	S.N.A	
..2	T0376	6902-000379	BAG AIR;LDPE,T0.2,W1000,L1800,TRP,-,--	0.032	S.N.A	
..2	M0505	BN96-00838A	ASSY MISC P-WALL MOUNTING;DI17PS,TEXTURE	1	S.A	
...3	CIS	BN61-00934A	BRACKET-WALL FRONT;DALI17",SECC,T2.0	1	S.N.A	
...3	CIS	BN61-00935A	BRACKET-WALL REAR;DALI17",SECC,T2.0	1	S.N.A	
...3	CIS	BN61-01043A	BRACKET-WALL MOUNT;DI17PS/DI19PS,SK-5,T0	1	S.N.A	
...3	T0059	BN68-00473H	MANUAL FLYER-CARD;Dali Wall Mount,SyncMa	1	S.N.A	
...3	M0132	BN96-00196A	ASSY MISC P-SCREW;MODIGLIANI ,SCREW-WOOD	1	S.A	
..2	T0081	6902-000604	BAG WRAPPING;LDPE,T0.02,W500,L10000,TRP,	3	S.N.A	
..2	T0524	6902-000642	BAG PE;HD/NITR/HD(DOUBLE),T0.015/T0.5/T0	1	S.N.A	
0.1	M0019	BN92-01091K	ASSY LABEL;DI19BSASQ/XAX,MEXICO	1	S.N.A	
0.1	M0045	BN92-01371P	ASSY ACCESSORY;DE17PSQAQ/XAX	1	S.N.A	
..2	M0125	BN39-00246F	CBF SIGNAL-DVI(D);1703FP,24P/24P,20276-D	1	S.A	
..2	M0045	BN96-02129H	ASSY ACCESSORY;DE17_19PSQAQ/XAX	1	S.A	
...3	T0268	3903-000085	CBF-POWER CORD;DT,US,BP3/YES,I(IEC C13/C	1	S.A	
...3	T0524	6902-000110	BAG PE;LDPE,T0.05,W250,L400,TRP,28,2	1	S.N.A	
...3	M0114	BN39-00244B	CBF SIGNAL;MO15PS,15P/15P,20276-N,1830mm	1	S.A	
...3	M0215	BN96-00881K	ASSY MANUAL P-IB+QSG;DE17PS,DE19PS,SYNCM	1	S.N.A	
....4	QUICKSETUP	BH68-00376L	MANUAL FLYER-04,QSG;LCDQUICK SETUP GUIDE	1	S.N.A	
....4	IB	BN59-00395K	S/W DRIVER-02,IB;COMM,W/W,SYNCMASTER,W/W	1	S.N.A	
...3	ACCESSROY	BN68-00797A	MANUAL FLYER-02,WARRANT CARD;SAMEX BASIC	1	S.N.A	
...3	T0238	BP68-00515A	MANUAL FLYER-REGISTRATION CARD;PRC CARD,	1	S.N.A	
0.1	M0003	BN92-01389Q	ASSY BOX;DE17PSQFV/XAX,SEM,MEXICO,TCO99	1	S.N.A	
..2	BOX	BN69-01024A	BOX-03;S/M173P PLUS(DE17PS),SW4,A,YEL,A1	1.01	S.N.A	
..2	M0103	BN66-00007A	LEVER-TOP;ALL MODEL,LDPE,WHITE	1	S.N.A	
0.1	MP1.4	BN91-00591U	ASSY MISC-ADAPTOR;CX718T-QH	1	S.N.A	
..2	M0158	BN44-00131A	ADAPTOR;SAD04214-UV,Internal,90 ~ 264Vac	1	S.A	

6-2 DE17PSQRV/XAX Parts List

Code No.	Loc. No.	Description	Specification	EA	SA/SNA	Remarks
		DE17PSQRV/XAX	173P PLUS,DE17P,17,LCD-MO,MEXICO			
0.1	M0001	BN90-00662E	ASSY COVER FRONT;DI17PSQRV/*,AL+BR01,RED	1	S.N.A	
..2	T0003	BN96-00778G	ASSY COVER P-FRONT;DI17PS,ABS HB,RED	1	S.A	
...3	M0081	6003-001522	SCREW-TAPTITE;CH,+,B,M3,L8,ZPC(YEL),SWRC	4	S.N.A	
...3	C/F	BN61-00809A	HOLDER-COVER LOCK;DALI 17,ABS	2	S.N.A	
...3	M0112	BN63-01032D	COVER-FRONT;DALI 17,AL T1.0 RDN-8410	1	S.A	
...3	T0069	BN63-01033E	COVER-MIDDLE;DALI 17,ABS HB BR01	1	S.A	
...3	C/F	BN64-00221A	DECORATION-LED;DALI 17,PC CLEAR	1	S.N.A	
...3	M0007	BN64-00225A	KNOB-FUNCTION;DALI 17,ABS HB	1	S.N.A	
...3	C/F	BN73-00061B	RUBBER-PROTECT;DALI 17,RUBBER,BLK,PANTON	1	S.N.A	
...3	M0145	BN96-00848A	ASSY BOARD P-FUNCTION;DI17PS,FUNCTION	1	S.A	
0.1	M0002	BN90-00666C	ASSY COVER REAR;DI17PSQRV/,AL+BR01,RED	1	S.N.A	
..2	M0006	BN63-01035E	COVER-REAR;DALI 17,ABS HB RD01,RDP-2407,	1	S.A	
0.1	M0216	BN90-00706Q	ASSY STAND;DE17PSQRV/EDC	1	S.N.A	
..2	M0003	BN96-01998D	ASSY STAND P;DE17P (S/M 173 PLUS),ABS HB	1	S.A	
...3	T0081	6001-000346	SCREW-MACHINE;FH,+,M3,L4,ZPC(YEL),SWRCH1	2	S.N.A	
...3	M0081	6003-000115	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC	5	S.N.A	
...3	M0081	6003-000276	SCREW-TAPTITE;BH,+,-,B,M3,L10,ZPC(YEL),S	4	S.N.A	
...3	M0081	6003-000301	SCREW-TAPTITE;BH,+,S,M4,L6,ZPC(YEL),SWRC	1	S.N.A	
...3	M0081	6003-001010	SCREW-TAPTITE;FH,+,B,M3,L6,ZPC(YEL),SWRC	3	S.N.A	
...3	M0081	6003-001119	SCREW-TAPTITE;FH,+,-,S,M4,L10,ZPC(BLK),S	4	S.N.A	
...3	M0081	6003-001136	SCREW-TAPTITE;BH,+,B,M4,L8,ZPC(YEL),SWRC	4	S.N.A	
...3	M0081	6003-001185	SCREW-TAPTITE;FH,+,B,M3,L8,NI PLT,SWRCH1	12	S.N.A	
...3	M0081	6003-001238	SCREW-TAPTITE;FH,+,S,M4,L8,ZPC(BLK),SWRC	3	S.N.A	
...3	STD	6011-001445	BOLT-SOCKET;4-40 UNC,L7,NI PLT,BRASS,HEX	4	S.N.A	
...3	M0326	6501-000113	CABLE TIE;DA-100,T1,W2.5,L102,WHT,NYLON	1	S.N.A	
...3	M0134	BN39-00452A	CBF-STAND CABLE;DI17PS,UL20276#32,UL,15P	1	S.A	
...3	M0142	BN61-00251A	FOOT-RUBBER;GH17BS,RUBBER,T1.6	4	S.N.A	
...3	STD	BN61-00827D	STAND-REAR BODY;DI1*PS,ABS HB,RD01,RDP-2	1	S.A	
...3	STD	BN61-00828D	STAND-NECK FRONT;DI1*PS,ABS HB,BR01	1	S.A	
...3	STD	BN61-00830D	STAND-FRONT BODY;DI1*PS,ABS HB,BR01	1	S.A	
...3	STD	BN61-00841D	STAND-REAR DECO;DI1*PS,ABS HB,RD01,RDP-2	1	S.A	
...3	STD	BN61-00844D	STAND-HINGE COVER;DI1*PS,ABS HB,BR01	1	S.A	
...3	M0009	BN61-00854D	STAND-BOTTOM;DI1*PS,ABS HB,BR01	1	S.A	
...3	STD	BN61-00855D	STAND-JACK COVER;DI1*PS,ABS HB,BR01	1	S.A	
...3	STD	BN61-00856A	STAND-SWIVEL;DALI 17,ABS	1	S.N.A	
...3	STD	BN61-00857D	STAND-SWIVEL COVER;DI1*PS,ABS HB,BR01	1	S.A	
...3	STD	BN61-00859D	STAND-COVER AL;DALI 17,AL,T1.0 RED,RDN-8	1	S.A	
...3	STD	BN61-00860A	STAND-BOTTOM AL;DALI 17,AL	1	S.N.A	
...3	STD	BN61-00880A	STAND-GUIDE AL;DALI 17,ABS	1	S.N.A	
...3	M0131	BN63-00951A	GASKET;RT15NS,CONDUCTIVE FAB,5,17,60,GRA	1	S.N.A	
...3	STD	BN63-01036D	COVER-REARCAP BOTTOM;DI1*PS,ABS HB,BR01	1	S.A	
...3	STD	BN63-01056D	COVER-REARCAP SUB;DI1*PS,ABS HB,BR01	1	S.A	
...3	STD	BN63-01161A	PROTECTOR-TAPE;DI17PS,T0.4,9*30	6	S.N.A	
...3	M0122	BN96-00839A	ASSY MISC P-HINGE;DI17PS,ZNCD2	1	S.N.A	
...3	T0346	BN96-00882A	ASSY MISC P-PIVOT HINGE;DI17PS	1	S.N.A	
...3	M0081	6003-000008	SCREW-TAPTITE;BH,+,S,M3,L4,ZPC3,SWRCH18A	1	S.N.A	
0.1	M0112	BN91-00752D	ASSY SHIELD;DI17PSQRV/*,RED	1	S.N.A	
..2	T0081	6001-000346	SCREW-MACHINE;FH,+,M3,L4,ZPC(YEL),SWRCH1	4	S.N.A	
..2	M0081	6003-000282	SCREW-TAPTITE;BH,+,-,B,M3,L8,ZPC(BLK),SW	8	S.N.A	
..2	M0081	6003-001238	SCREW-TAPTITE;FH,+,S,M4,L8,ZPC(BLK),SWRC	4	S.N.A	
..2	M0081	6003-001336	SCREW-TAPTITE;CH,+,S,M3,L5.5,ZPC(YEL),SW	4	S.N.A	
..2	T0081	BN96-00837A	ASSY MISC P-SHIELD PCB;DI17PS,SECC T1.0	1	S.N.A	
...3	T0178	BN63-01034A	SHIELD-PCB;DALI 17,SECC,T1.0	1	S.N.A	
..2	M0173	BN96-00890D	ASSY STAND P-CAP;DALI 17_19,ABS HB,RED	1	S.A	

Code No.	Loc. No.	Description	Specification	EA	SA/SNA	Remarks
...3		BN63-01038D	COVER-REARCAP TOP;DALI,ABS HB RD01,RDP-2	1	S.N.A	
...3	CCM1	BN63-01039A	SHIELD-CAP;DALI 17,SPTE T0.3	1	S.N.A	
..2	T0081	6001-000113	SCREW-MACHINE;FH,+,M3,L5,ZPC(BLK),SWRCH1	1	S.A	
0.1	M0017	BN91-00836T	ASSY CHASSIS-E19;DE17PSQAQ/EDC,DALI2	1	S.A	
..2	M2893	BN39-00419A	LEAD CONNECTOR;DS17BS,UL1571#30,UL/CSA,1	1	S.A	
..2	M2893	BN39-00431A	LEAD CONNECTOR-LVDS;DI17PS,UL1571#30,UL/	1	S.A	
..2	M2893	BN39-00446A	LEAD CONNECTOR;DI17PS,UL1061#28,UL/CSA,4	1	S.A	
..2	M0215	BN44-00103B	INVERTER;RL17,SIC842,13.0~14.5V,2.0MA,7.	1	S.A	
..2	T0010	BN61-01598A	HOLDER-SUB PCB;DI17PS,ABS HB,T1.8,IV16,D	1	S.N.A	
..2	M0014	BN94-00642Q	ASSY PCB MAIN-E19;DE17PSQAQ/EDC,DALI2	1	S.A	
...3	BZ201	3002-001123	BUZZER-PIEZO;85DB,9VDC,8MA ,4.4KHZ +/- 0	1	S.A	
...3	CN101	3711-005506	HEADER-BOARD TO CABLE;BOX,22P,2R,2mm,STR	1	S.A	
...3	CN102	3711-005507	HEADER-BOARD TO CABLE;BOX,20P,2R,2mm,STR	1	S.A	
...3	T0174	BN97-00512H	ASSY SMD;DE17PSQAQ/EDC,DALI2	1	S.N.A	
....4	D100	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D101	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D102	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D103	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D104	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D105	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D106	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D107	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D108	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D109	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D110	0401-001056	DIODE-SWITCHING;MMBD4148SE,100V,200mA,SO	1	S.A	
....4	D600	0402-000553	DIODE-SCHOTTKY;"SS24,B240",40V,2000mA,DO	1	S.A	
....4	ZD100	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD101	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD102	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD103	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD104	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD105	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD106	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD107	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD108	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD109	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD110	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD111	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD112	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD113	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD114	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD115	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD116	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD201	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	ZD202	0403-000258	DIODE-ZENER;BZX84C5V6,5.2-6V,225mW,SOT-2	1	S.A	
....4	Q201	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A	
....4	Q600	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A	
....4	Q601	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A	
....4	Q602	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-	1	S.A	
....4	Q409	0505-001170	FET-SILICON;SI9933ADY-T1,P,-20V,3.4A,0.0	1	S.A	
....4	IC109	1003-001538	IC-LCD CONTROLLER;S5D2542X,LQFP,208P,28X	1	S.A	
....4	IC109	1003-001789	IC-LCD CONTROLLER;SE59AWJ-LF,PQFP,128P,2	1	S.A	
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x	1	S.A	
....4	IC112	1103-000129	IC-EEPROM;24C02,2Kbit,256x8Bit,SOP,8P,5x	1	S.A	
....4	IC112	1103-001023	IC-EEPROM;24C08,8Kbit,1Kx8Bit,SOP,8P,5x4	1	S.A	
....4	IC604	1202-000164	IC-VOLTAGE COMP.;393,SOP,8P,150MIL,DUAL,	1	S.A	
....4	T0087	1203-002425	IC-POSI.FIXED REG.;AP1117,SOT-223,3P,138	1	S.A	
....4	T0087	1203-002842	IC-POSI.FIXED REG.;AP1117D-33A,TO-252,3P	1	S.A	

Code No.	Loc. No.	Description	Specification	EA	SA/SNA	Remarks
....4	T0087	1203-002842	IC-POSI.FIXED REG.;AP1117D-33A,TO-252,3P	1	S.A	
....4	T0087	1203-002842	IC-POSI.FIXED REG.;AP1117D-33A,TO-252,3P	1	S.A	
....4	T0087	1203-002844	IC-POSI.FIXED REG.;AP1117D-18A,TO-252-3L	1	S.A	
....4	T0087	1203-002844	IC-POSI.FIXED REG.;AP1117D-18A,TO-252-3L	1	S.A	
....4	T0170	1203-003059	IC-SWITCH VOL. REG.;MP1583,SOIC,8P,4.9x3	1	S.A	
....4	IC120	1205-002412	IC-TRANSMITTER;DTC34LM85A,TSSOP,56P,14x6	1	S.A	
....4	IC120	1205-002412	IC-TRANSMITTER;DTC34LM85A,TSSOP,56P,14x6	1	S.A	
....4	R608	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	1	S.A	
....4	R708	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R709	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R710	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R711	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R712	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R713	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	S.A	
....4	R701	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A	
....4	R702	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A	
....4	R704	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A	
....4	R705	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A	
....4	R706	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A	
....4	R707	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	S.A	
....4	R121	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A	
....4	R123	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A	
....4	R402	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	S.A	
....4	R107	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R109	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R118	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R119	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R200	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R201	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R217	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R219	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R220	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R222	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R228	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R229	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R231	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R232	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R233	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R234	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R235	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R236	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R237	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R238	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R239	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R240	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R241	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R242	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R248	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R250	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	1	S.A	
....4	R221	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	1	S.A	
....4	R213	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R101	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R120	2007-000080	R-CHIP;2Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R700	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R703	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R125	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R126	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R205	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R206	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A	

Code No.	Loc. No.	Description	Specification	EA	SA/SNA	Remarks
....4	R207	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R208	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R209	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R212	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R214	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R215	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R223	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R224	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R225	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R226	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R227	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R230	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R100	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R202	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R216	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R218	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R243	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R244	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R245	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R246	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R247	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R603	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R604	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R606	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R607	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R609	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R612	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R115	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R116	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R210	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R211	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R104	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R105	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R401	2007-000118	R-CHIP;390ohm,5%,1/10W,TP,1608	1	S.A	
....4	R102	2007-000287	R-CHIP;100OHM,1%,1/10W,TP,1608	1	S.A	
....4	R106	2007-000287	R-CHIP;100OHM,1%,1/10W,TP,1608	1	S.A	
....4	R110	2007-000287	R-CHIP;100OHM,1%,1/10W,TP,1608	1	S.A	
....4	R111	2007-000287	R-CHIP;100OHM,1%,1/10W,TP,1608	1	S.A	
....4	R112	2007-000287	R-CHIP;100OHM,1%,1/10W,TP,1608	1	S.A	
....4	R114	2007-000287	R-CHIP;100OHM,1%,1/10W,TP,1608	1	S.A	
....4	R122	2007-000659	R-CHIP;27ohm,5%,1/10W,TP,1608	1	S.A	
....4	R124	2007-000659	R-CHIP;27ohm,5%,1/10W,TP,1608	1	S.A	
....4	R127	2007-000659	R-CHIP;27ohm,5%,1/10W,TP,1608	1	S.A	
....4	R128	2007-000659	R-CHIP;27ohm,5%,1/10W,TP,1608	1	S.A	
....4	R129	2007-000659	R-CHIP;27ohm,5%,1/10W,TP,1608	1	S.A	
....4	R130	2007-000659	R-CHIP;27ohm,5%,1/10W,TP,1608	1	S.A	
....4	R131	2007-000659	R-CHIP;27ohm,5%,1/10W,TP,1608	1	S.A	
....4	R132	2007-000659	R-CHIP;27ohm,5%,1/10W,TP,1608	1	S.A	
....4	R400	2007-000821	R-CHIP;390ohm,1%,1/10W,TP,1608	1	S.A	
....4	R602	2007-000962	R-CHIP;5.1Kohm,1%,1/10W,TP,1608	1	S.A	
....4	R601	2007-000965	R-CHIP;5.1Kohm,5%,1/10W,TP,1608	1	S.A	
....4	R117	2007-001002	R-CHIP;510ohm,5%,1/10W,TP,1608	1	S.A	
....4	R203	2007-001002	R-CHIP;510ohm,5%,1/10W,TP,1608	1	S.A	
....4	R204	2007-001002	R-CHIP;510ohm,5%,1/10W,TP,1608	1	S.A	
....4	R103	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A	
....4	R108	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A	
....4	R113	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	1	S.A	
....4	R600	2007-007841	R-CHIP;16.2Kohm,1%,1/10W,TP,1608	1	S.A	
....4	RA700	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	

Code No.	Loc. No.	Description	Specification	EA	SA/SNA	Remarks
....4	RA701	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA702	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA703	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA704	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA705	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA706	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA707	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA708	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA709	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA710	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA711	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA712	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA713	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA714	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA715	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA716	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA717	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA718	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA719	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA720	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA721	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA722	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA723	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA724	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA725	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA726	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA727	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA728	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA729	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA730	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA731	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA732	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA733	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA734	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA735	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA736	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA737	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA738	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA739	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	RA740	2011-001262	R-NET;22OHM,5%,1/16W,L,CHIP,8P,TP,2.0X1.	1	S.A	
....4	C427	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C428	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C429	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C431	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C432	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C433	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C434	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C437	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C438	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C439	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C603	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C607	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C700	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C701	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C702	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C703	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C704	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C705	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C706	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	

6-4 Others

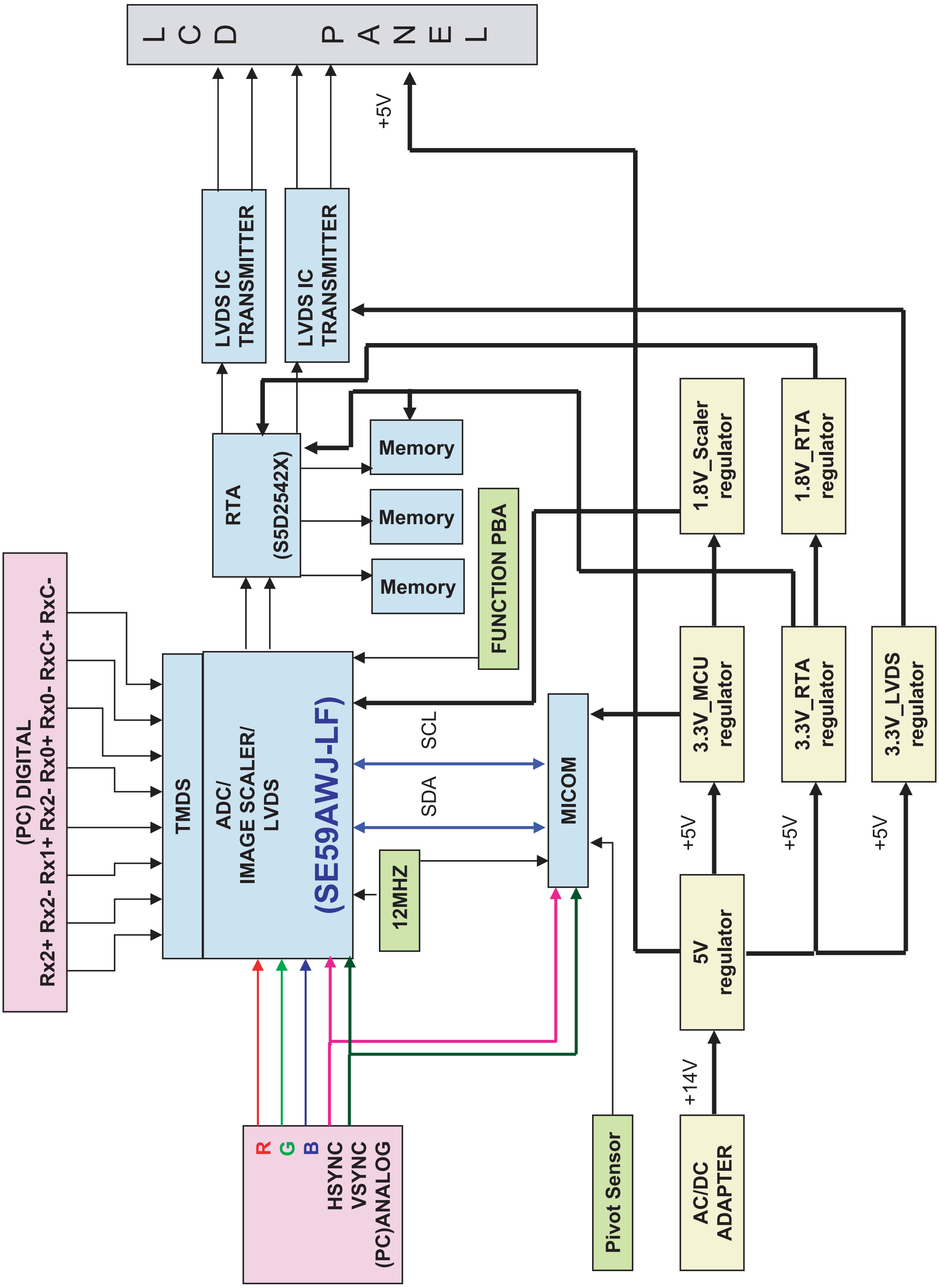
Code No.	Loc. No.	Description	Specification	EA	SA/SNA	Remarks
....4	C707	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C708	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C709	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C710	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C711	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C712	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C713	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C714	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C715	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C716	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C717	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C718	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C719	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C720	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C721	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C722	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C723	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C724	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C725	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C726	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C727	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C728	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C729	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,1608	1	S.A	
....4	C118	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C608	2203-000236	C-CER,CHIP;0.1nF,5%,50V,C0G,1608	1	S.A	
....4	C409	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A	
....4	C423	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A	
....4	C600	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A	
....4	C604	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A	
....4	C605	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A	
....4	C623	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	S.A	
....4	C424	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	S.A	
....4	C425	2203-000626	C-CER,CHIP;0.022nF,5%,50V,C0G,1608	1	S.A	
....4	C731	2203-000783	C-CER,CHIP;0.33nF,5%,50V,C0G,1608	1	S.A	
....4	C114	2203-000998	C-CER,CHIP;0.047nF,5%,50V,C0G,1608	1	S.A	
....4	C100	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C101	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C102	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C103	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C104	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C106	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C107	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C108	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C109	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C110	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C111	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C112	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C113	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C115	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C116	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C117	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C119	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C201	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C400	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C402	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C403	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C404	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C405	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C406	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	

Code No.	Loc. No.	Description	Specification	EA	SA/SNA	Remarks
....4	C407	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C408	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C411	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C412	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C413	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C414	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C415	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C416	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C417	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C418	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C419	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C420	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C421	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C422	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C436	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C612	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C613	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C616	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C617	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C625	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C627	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C630	2203-005005	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	S.A	
....4	C203	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A	
....4	C204	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A	
....4	C621	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A	
....4	C622	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A	
....4	C740	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1608	1	S.A	
....4	C200	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,3216	1	S.A	
....4	C202	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,3216	1	S.A	
....4	C401	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,3216	1	S.A	
....4	C410	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,3216	1	S.A	
....4	C426	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,3216	1	S.A	
....4	C614	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,3216	1	S.A	
....4	C615	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,3216	1	S.A	
....4	C619	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,3216	1	S.A	
....4	C620	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,3216	1	S.A	
....4	C626	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,3216	1	S.A	
....4	C628	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,3216	1	S.A	
....4	C629	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,3216	1	S.A	
....4	C631	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,3216	1	S.A	
....4	C632	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,3216	1	S.A	
....4	C730	2203-005437	C-CER,CHIP;10000nF,+80-20%,10V,Y5V,3216	1	S.A	
....4	C606	2203-006036	C-CER,CHIP;680NF,+80-20%,16V,Y5V,TP,1608	1	S.A	
....4	C611	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.7m	1	S.A	
....4	C430	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	S.A	
....4	C435	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	S.A	
....4	C610	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	S.A	
....4	C618	2402-001042	C-AL,SMD;100uF,20%,16V,GP,TP,6.6x6.6x5.4	1	S.A	
....4	C105	2402-001044	C-AL,SMD;100UF,20%,25V,GP,TP,8.3X8.3X6.3	1	S.A	
....4	C601	2402-001044	C-AL,SMD;100UF,20%,25V,GP,TP,8.3X8.3X6.3	1	S.A	
....4	C609	2409-001051	C-ORGANIC;82UF,20%,6.3V,WT,TP,6.3*5.9MM,	1	S.A	
....4	C624	2409-001065	C-ORGANIC;82uF,20%,16V,WT,TP,8X6.9mm,-	1	S.A	
....4	C602	2409-001086	C-ORGANIC;10uF,20%,20V,WT,TP,5.3x5.3x6.0	1	S.A	
....4	X400	2801-003773	CRYSTAL-SMD;12MHz,30ppm,28-AAN,20pF,50oh	1	S.A	
....4	T0568	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,-,-,-	1	S.N.A	
....4	T0568	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,-,-,-	1	S.N.A	
....4	T0568	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,-,-,-	1	S.N.A	
....4	T0568	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,-,-,-	1	S.N.A	
....4	T0568	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,-,-,-	1	S.N.A	

Code No.	Loc. No.	Description	Specification	EA	SA/SNA	Remarks
....4	CN400	3711-005470	HEADER-BOARD TO CABLE;BOX,30P,1R,1.25mm,	1	S.A	
....4	CN601	3711-005471	HEADER-BOARD TO CABLE;BOX,12P,1R,1.25mm,	1	S.A	
....4	T0010	BN27-00009A	COIL CHOKE;SMD 12X12X6,EOS,33UH,15%,-,0.	1	S.A	
....4	S201	BN32-00005A	SENSOR SW-TILT;SPSF100100,DC5V,1mA,-10 ~	1	S.A	
....4	M0018	BN97-00489N	ASSY MICOM;DE17PS*,W/W	1	S.A	
.....5	IC520	0903-001402	IC-MICROCONTROLLER;NT68F632ALG,8Bit,PLCC	1	S.N.A	
....4	R610	2007-000208	R-CHIP;1.1Kohm,1%,1/10W,TP,1608	1	S.A	
....4	CN200	3711-005509	HEADER-BOARD TO CABLE;BOX,4P,1R,1.25mm,S	1	S.A	
....4	R605	2007-000842	R-CHIP;3Kohm,1%,1/10W,TP,1608	1	S.A	
....4	CIS7	0202-001477	SOLDER-CREAM;LST309-M,-,D20~45§-,96.5Sn/	1.95	S.N.A	
....4	IC113	1105-001284	IC-DRAM;636165,-,16Mbit,1Mx16Bit,TSOP,50	1	S.A	
....4	IC113	1105-001284	IC-DRAM;636165,-,16Mbit,1Mx16Bit,TSOP,50	1	S.A	
....4	IC113	1105-001284	IC-DRAM;636165,-,16Mbit,1Mx16Bit,TSOP,50	1	S.A	
....4	T0077	BN41-00586C	PCB MAIN;DALI-2,FR-4,4L,MP1.2,1.0T,145*1	1	S.N.A	
...3	CIS2	BN60-00011B	FASTENER-PEM NUT;DE17PS,FASTENER-PEM/NUT	4	S.N.A	
...3	T0245	0202-001522	SOLDER-WIRE FLUX;LFA3-107,-,D1.2,96.5Sn/	0.01	S.N.A	
..2	M0131	BN63-01079A	GASKET;,CONDUCTIVE FAB,4MM,10MM,10MM,GRA	1	S.N.A	
0.1		BN91-00841Q	ASSY LCD-SPZ(DALI2);DE17PS*	1	S.N.A	
..2	M0215	BN07-00218A	LCD-PANEL;LTM170E8-L21,Dali2,6BIT FRC,35	1	S.A	
..2	M0131	BN63-00995A	GASKET;GY17MS,CONDUCTIVE FAB,4MM,15MM,10	1	S.N.A	
0.1	M0113	BN92-00956A	ASSY P/MATERIAL;DI17PS,BASIC	1	S.N.A	
..2	T0376	6902-000379	BAG AIR;LDPE,T0.2,W1000,L1800,TRP,-,--	0.032	S.N.A	
..2	M0505	BN96-00838A	ASSY MISC P-WALL MOUNTING;DI17PS,TEXTURE	1	S.A	
...3	CIS	BN61-00934A	BRACKET-WALL FRONT;DALI17",SECC,T2.0	1	S.N.A	
...3	CIS	BN61-00935A	BRACKET-WALL REAR;DALI17",SECC,T2.0	1	S.N.A	
...3	CIS	BN61-01043A	BRACKET-WALL MOUNT;DI17PS/DI19PS,SK-5,T0	1	S.N.A	
...3	T0059	BN68-00473H	MANUAL FLYER-CARD;Dali Wall Mount,SyncMa	1	S.N.A	
...3	M0132	BN96-00196A	ASSY MISC P-SCREW;MODIGLIANI ,SCREW-WOOD	1	S.A	
..2	T0081	6902-000604	BAG WRAPPING;LDPE,T0.02,W500,L10000,TRP,	3	S.N.A	
..2	T0524	6902-000642	BAG PE;HD/NITR/HD(DOUBLE),T0.015/T0.5/T0	1	S.N.A	
0.1	M0019	BN92-01091K	ASSY LABEL;DI19BSASQ/XAX,MEXICO	1	S.N.A	
0.1	M0045	BN92-01371P	ASSY ACCESSORY;DE17PSQAQ/XAX	1	S.N.A	
..2	M0125	BN39-00246F	CBF SIGNAL-DVI(D);1703FP,24P/24P,20276-D	1	S.A	
..2	M0045	BN96-02129H	ASSY ACCESSORY;DE17_19PSQAQ/XAX	1	S.A	
...3	T0268	3903-000085	CBF-POWER CORD;DT,US,BP3/YES,I(IEC C13/C	1	S.A	
...3	T0524	6902-000110	BAG PE;LDPE,T0.05,W250,L400,TRP,28,2	1	S.N.A	
...3	M0114	BN39-00244B	CBF SIGNAL;MO15PS,15P/15P,20276-N,1830mm	1	S.A	
...3	M0215	BN96-00881K	ASSY MANUAL P-IB+QSG;DE17PS,DE19PS,SYNCM	1	S.N.A	
....4	QUICKSETUP	BH68-00376L	MANUAL FLYER-04,QSG;LCDQUICK SETUP GUIDE	1	S.N.A	
....4	IB	BN59-00395K	S/W DRIVER-02,IB;COMM,W/W,SYNCMASTER,W/W	1	S.N.A	
...3	ACCESSROY	BN68-00797A	MANUAL FLYER-02,WARRANT CARD;SAMEX BASIC	1	S.N.A	
...3	T0238	BP68-00515A	MANUAL FLYER-REGISTRATION CARD;PRC CARD,	1	S.N.A	
0.1	M0003	BN92-01389Q	ASSY BOX;DE17PSQFV/XAX,SEM,MEXICO,TCO99	1	S.N.A	
..2	BOX	BN69-01024A	BOX-03;S/M173P PLUS(DE17PS),SW4,A,YEL,A1	1.01	S.N.A	
..2	M0103	BN66-00007A	LEVER-TOP;ALL MODEL,LDPE,WHITE	1	S.N.A	
0.1	MP1.4	BN91-00591U	ASSY MISC-ADAPTOR;CX718T-QH	1	S.N.A	
..2	M0158	BN44-00131A	ADAPTOR;SAD04214-UV,Internal,90 ~ 264Vac	1	S.A	

7 Block Diagram

Block Diagram



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8 Wiring Diagram

CN400

Pin	Signal
1	+5V_PANEL
2	+5V_PANEL
3	+5V_PANEL
4	NC
5	NC
6	NC
7	GND
8	TXIN3P
9	TXIN3M
10	TXCLKP
11	TXLKM
12	TXIN2P
13	TXIN2M
14	GND
15	TXIN1P
16	TXIN1M
17	GND
18	TXIN0P
19	TXIN0M
20	TXIN3P
21	TXIN3M
22	TXCLKP
23	TXCLKM
24	GND
25	TXIN2P
26	TXIN2M
27	TXIN1P
28	TXIN1M
29	TXIN0P
30	TXIN0M

CN102

Pin	Signal
1	NC
2	CHK_DVI
3	+5V
4	DDC_SDA_D
5	GND
6	Rx2-
7	Rx1+
8	GND
9	Rx0-
10	RxC+
11	GND
12	GND
13	+5V
14	DDC_SCL_D
15	Rx2-
16	GND
17	Rx1-
18	Rx0+
19	GND
20	RxC-

CN101

Pin	Signal
1	GND
2	VSYNC_IN
3	DDC_SDA_A
4	CHK_DSUB
5	BLU+
6	GRN+ / SOG
7	RED+
8	NC
9	GND
10	+14V
11	+14V
12	HSNC_IN
13	DDC_SCL_A
14	+5V
15	GND
16	BLU-
17	GRN-
18	RED-
19	GND
20	GND
21	+14V
22	NC

CN601

Pin	Signal
1	+14V_INV
2	+14V_INV
3	+14V_INV
4	GND
5	GND
6	NC
7	GND
8	GND
9	+5V
10	GND
11	BL_ADJ
12	GND

CN200

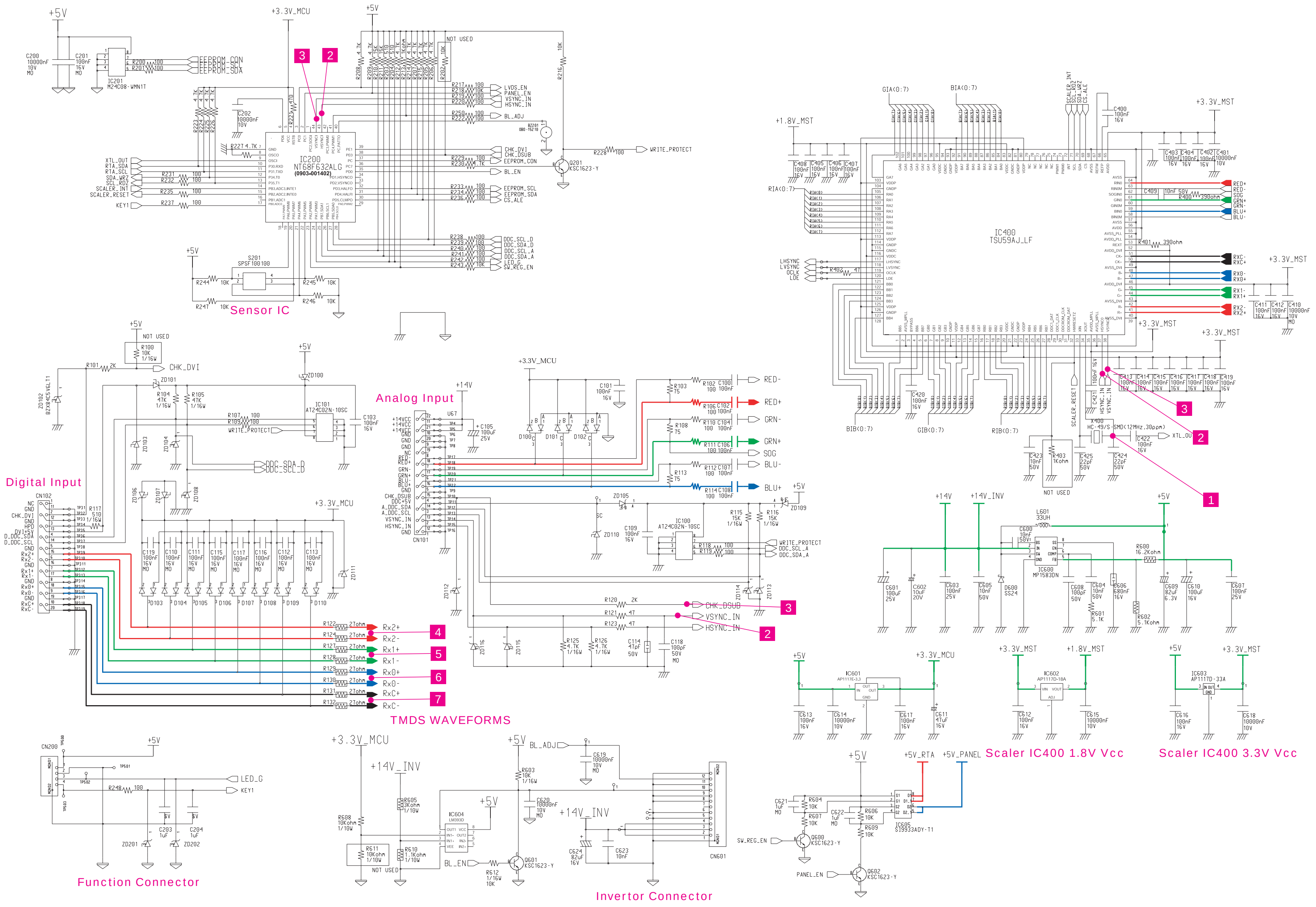
Pin	Signal
1	+5V
2	GND
3	LED_G
4	KEY1

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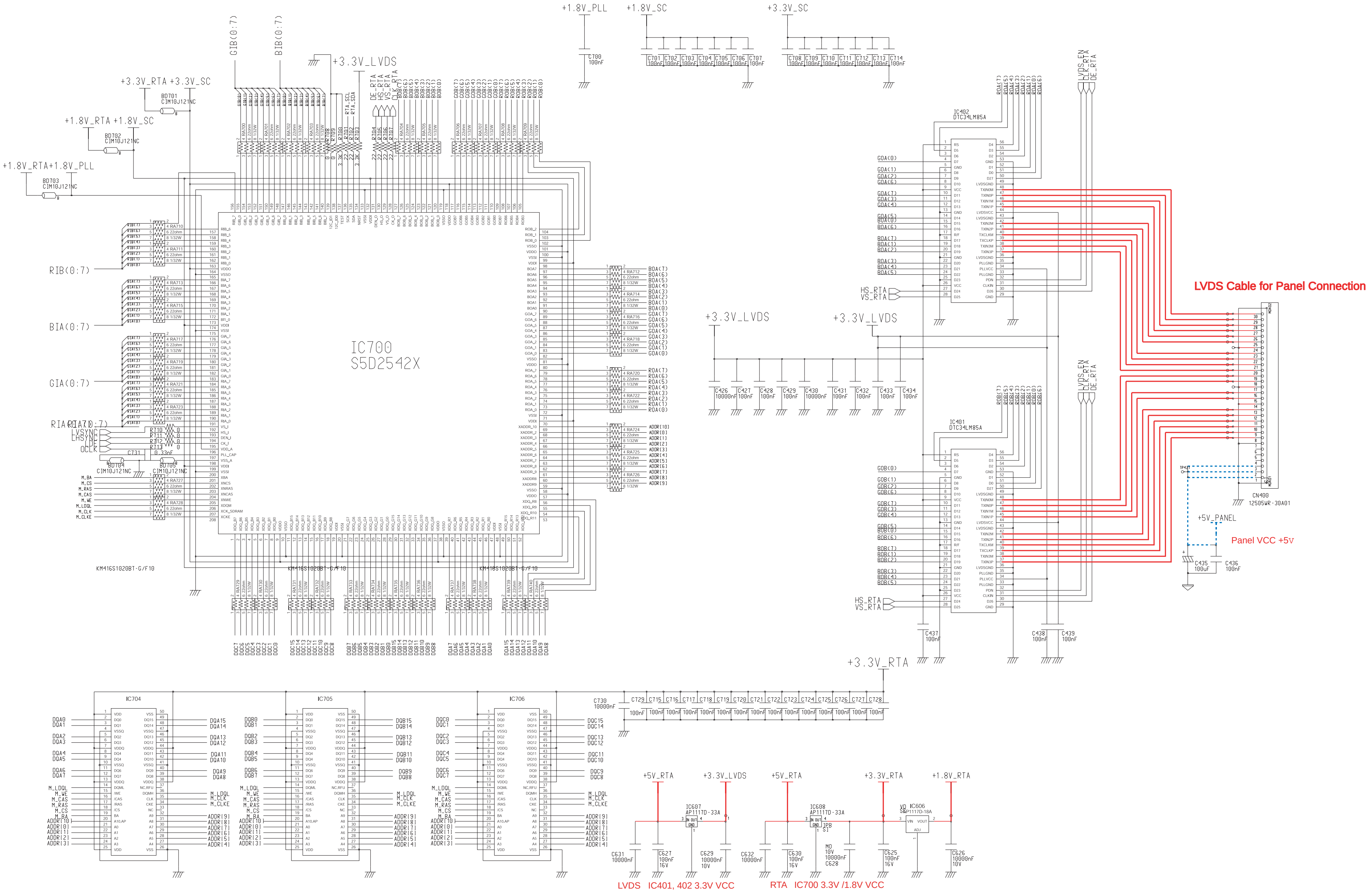
9 Schematic Diagrams

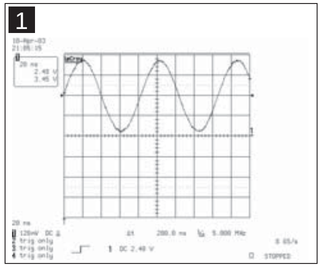
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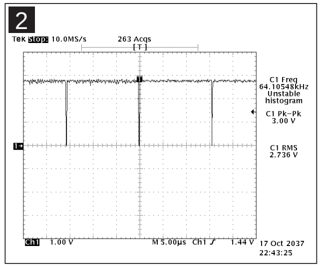
9-1 Schematic Diagrams

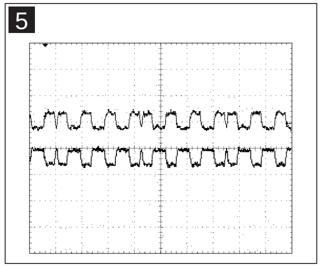


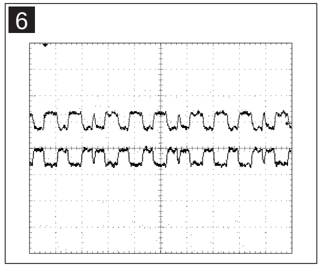
9-2 Schematic Diagrams

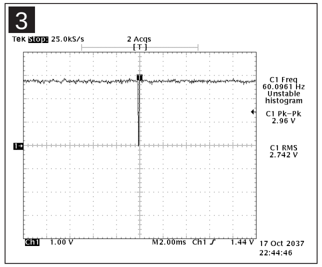


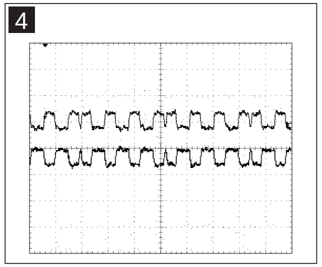
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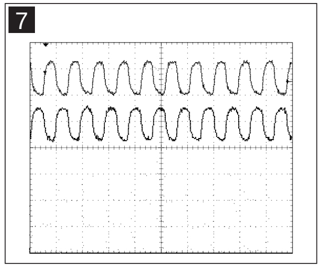
2

Tek Stop 10.0MS/s
263 Acqs
C1 Freq
64.10548kHz
Unstable
histogram
C1 Pk-Pk
3.00 V
C1 RMS
2.736 V
Ch1 1.00 V
M 5.00µs Ch1 ƒ 1.44 V
17 Oct 2037
22:43:25

5


6


3

Tek Stop 25.0kS/s
2 Acqs
C1 Freq
60.0961 Hz
Unstable
histogram
C1 Pk-Pk
2.96 V
C1 RMS
2.742 V
Ch1 1.00 V
M 2.00ms Ch1 ƒ 1.44 V
17 Oct 2037
22:44:46

4


7


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10 Operating Instructions and Installation

10-1 Product Features


0°(Standard)


90°(Pivot)


180°(Pivot)

- Improved Response Time by Adopting RTA
  : 12ms (Based on "Gray to Gray")
- Support Magic Color
- Magic Zone
- Magic Bright: 6 steps used
- Magic Tune 3.6 and Pivot software installed
- Auto Pivot: Screen automatic switch
- Folder-type Dual Hinge stand with pivot (rotation) & Swivel
- Auto power, Auto auto, Down Scaling(UXGA)
- VESA Mount 100 x 100mm & Custom Mounting

10-2 Component & Function



1. Power indicator

This light glows blue during normal operation, and blinks blue once as the monitor saves your adjustments.

2. Power button

Use this button for power the monitor on and off, change the input source, or perform Auto Adjustment.

-Power On/Off : Press the power button and listen for one beep, to turn the monitor on or off.

-Input Source : Press the power button and listen for two beeps, then release to switch the input source to analog or digital.

-Auto adjustment : Press the power button and listen for three beeps, then release to activate the Auto Adjustment feature. (Available only with an analog source.)

10-3 New Features

- Improved Response Time by Adopting RTA: 12ms (Based on "Gray to Gray")
- Support Magic Color: Demo, Full, Intelligent
- Magic Zone: Brightness adjustment for local areas
- Magic Bright: 6 steps used
  Text, Internet, Sports, Game, Movie and Custom
- Magic Tune 3.6 and Pivot software installed
  : An upgraded version that compensates for the old Magic Tune 2.0 and adds some new features for the user's convenience
- Auto Pivot: When the monitor is rotated in 90 or 180 degrees, the display LED and OSD also are automati cally rotated accordingly. This can be performed only when Magic Tune 3.6 and the Pivot software are run ning.

10-4 Installation Instructions



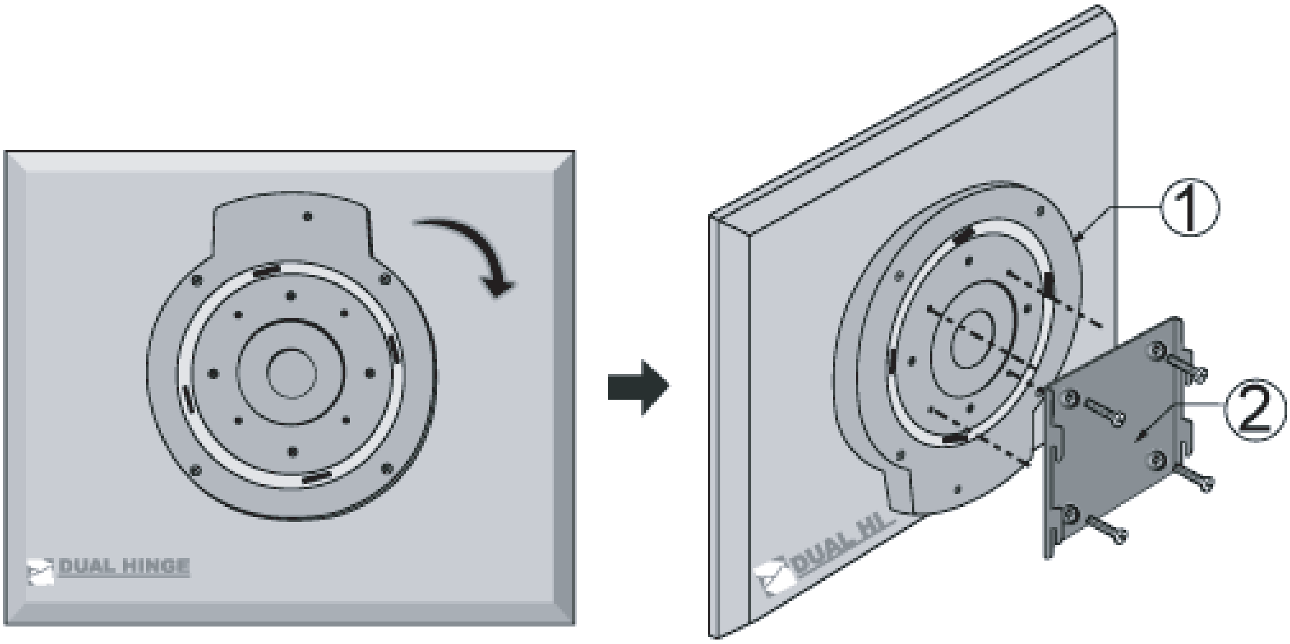
(The configuration at the back of the monitor may vary from product to product.)

1.Power port
Connect the DC adapter for your monitor to the power port on the back of the monitor.
Plug the power cord for the monitor into a nearby outlet.

2.DVI port
Connect the DVI cable to the DVI port on the back of your monitor.

3.D-sub 15-pin port
Connect the signal cable to the 15-pin, D-sub connector on the back of your monitor.

10-5 Attaching a Base



This monitor accepts a 75mm x 75mm VESA-compliant mounting interface pad.

1. VESA Stand
2. VESA Mounting Bracket

Fold the monitor stand. Turn it so that the side to which the cable is connected faces down. Attach the VESA Mounting Bracket to the bottom side of the stand. Align the holes of the bracket with those in the VESA stand, and fasten it tightly in place with four screws.

Caution: The stand is made of aluminum. Keep it from getting nicked or scratched.

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11 Disassembly and Reassembly

This section of the service manual describes the disassembly and reassembly procedures for the DE17PS/DE19PS TFT-LCD monitors.

⚠ **WARNING: This monitor contains electrostatically sensitive devices. Use caution when handling these components.**

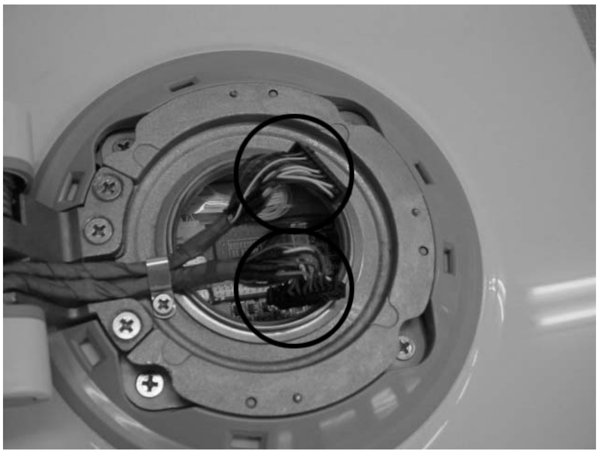
11-1 Disassembly

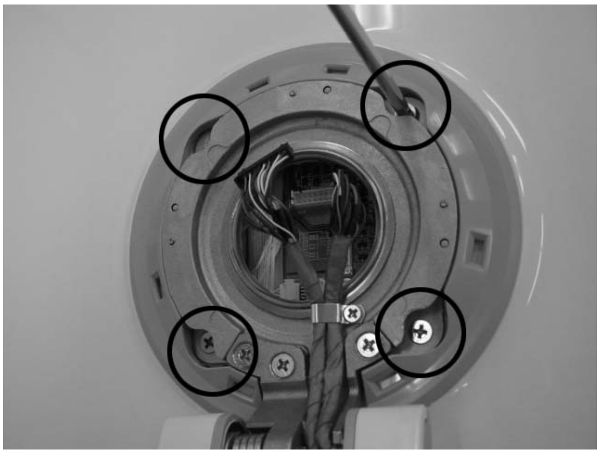
⚠ **Cautions: 1. Disconnect the monitor from the power source before disassembly.**





1. Place monitor face down on cushioned table. Remove 1 screws from grip on the stand and remove back cover from the stand.

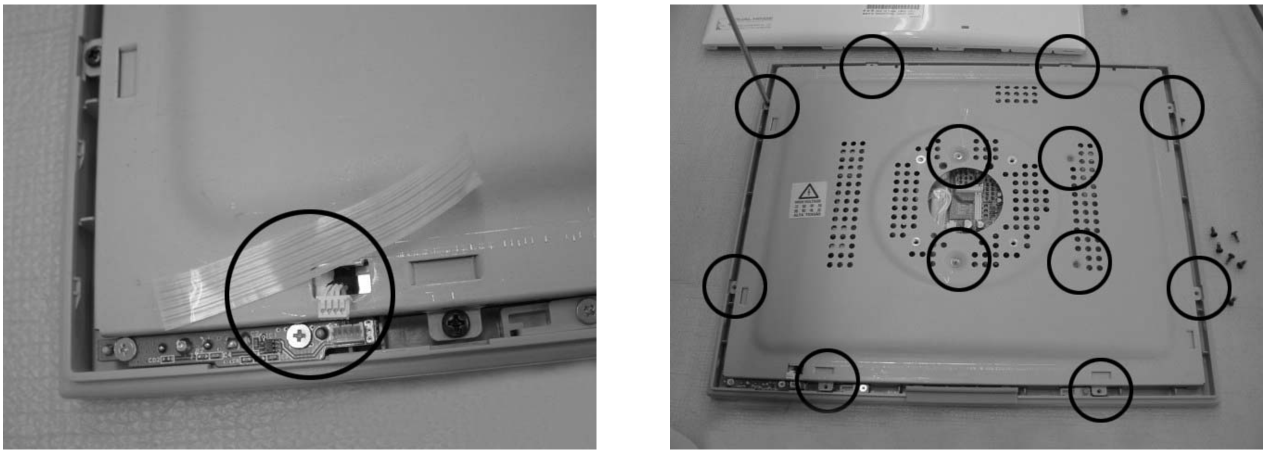




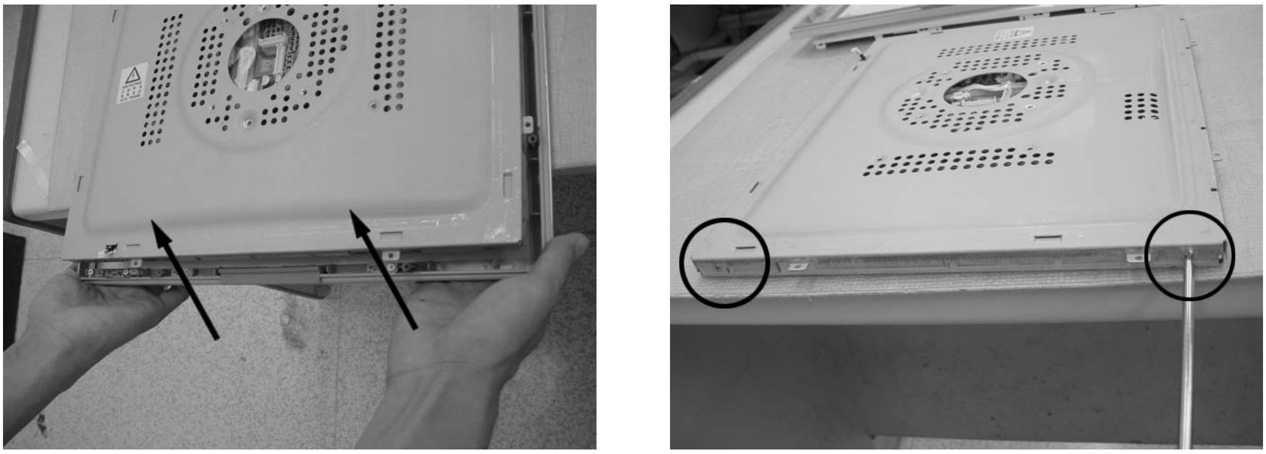
2. Disconnect cable and remove 4 screws from the stand.



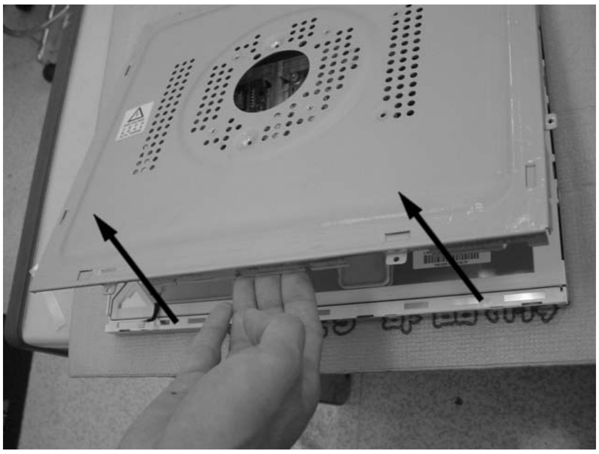
3. Lift up the stand and insert the opening drive into the grooves at each side and press until it clicks.

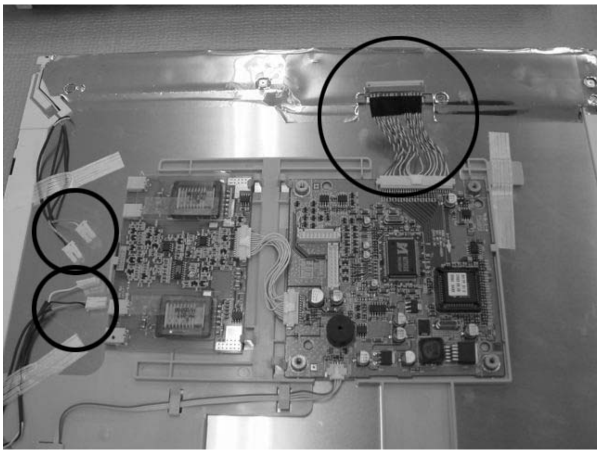


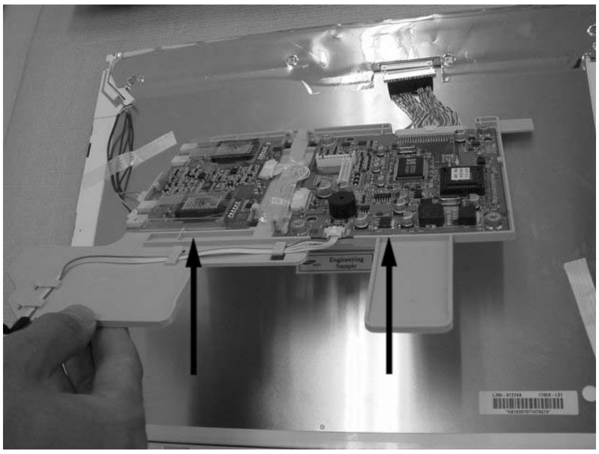
4. Disconnect function cable and remove 12 screws from the shield.



5. Remove the cover front and remove 4 screws from the panel.









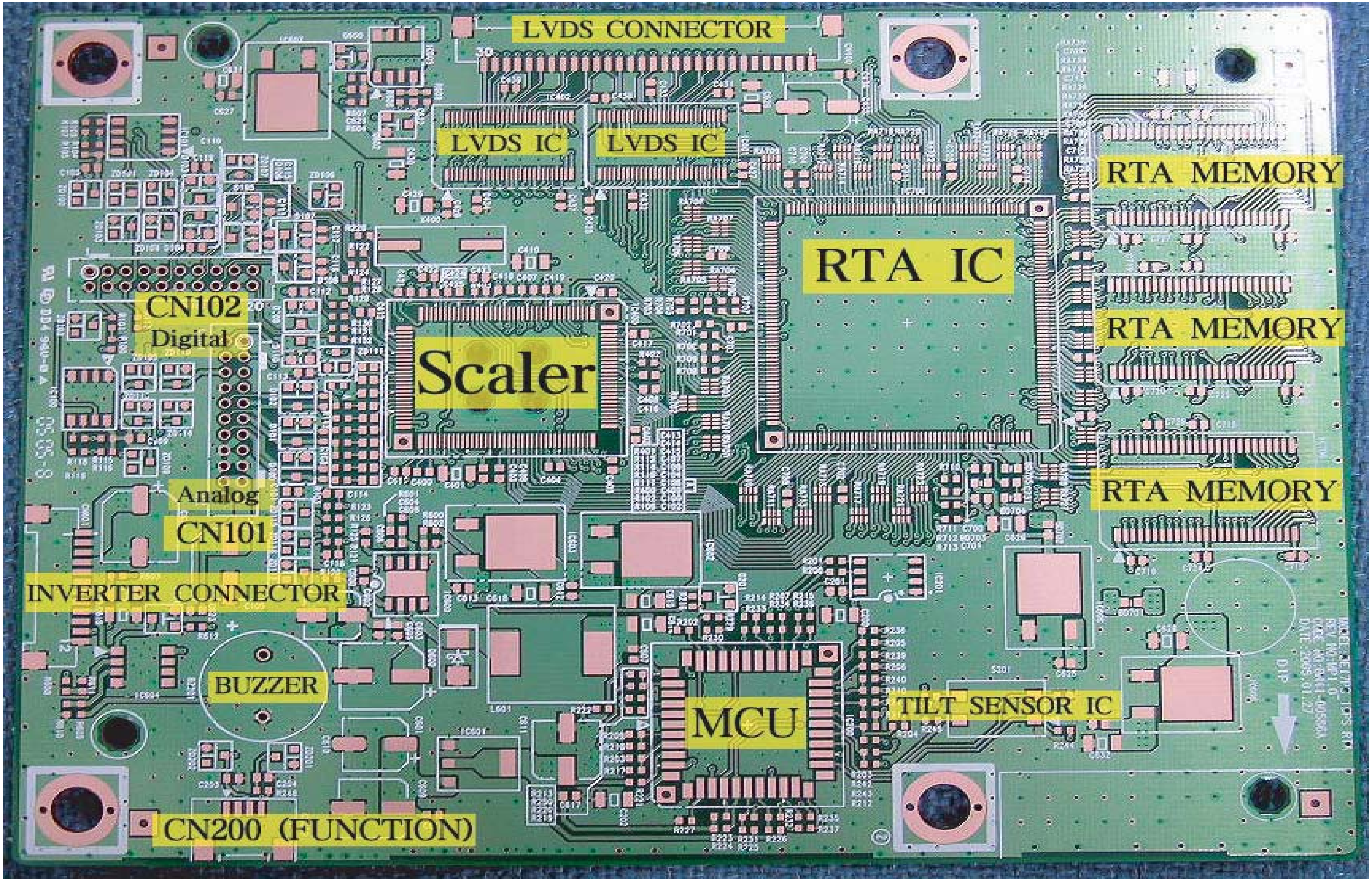
7. Remove main board from the panel.

3-2 Reassembly

Reassembly procedures are in the reverse order of disassembly procedures.

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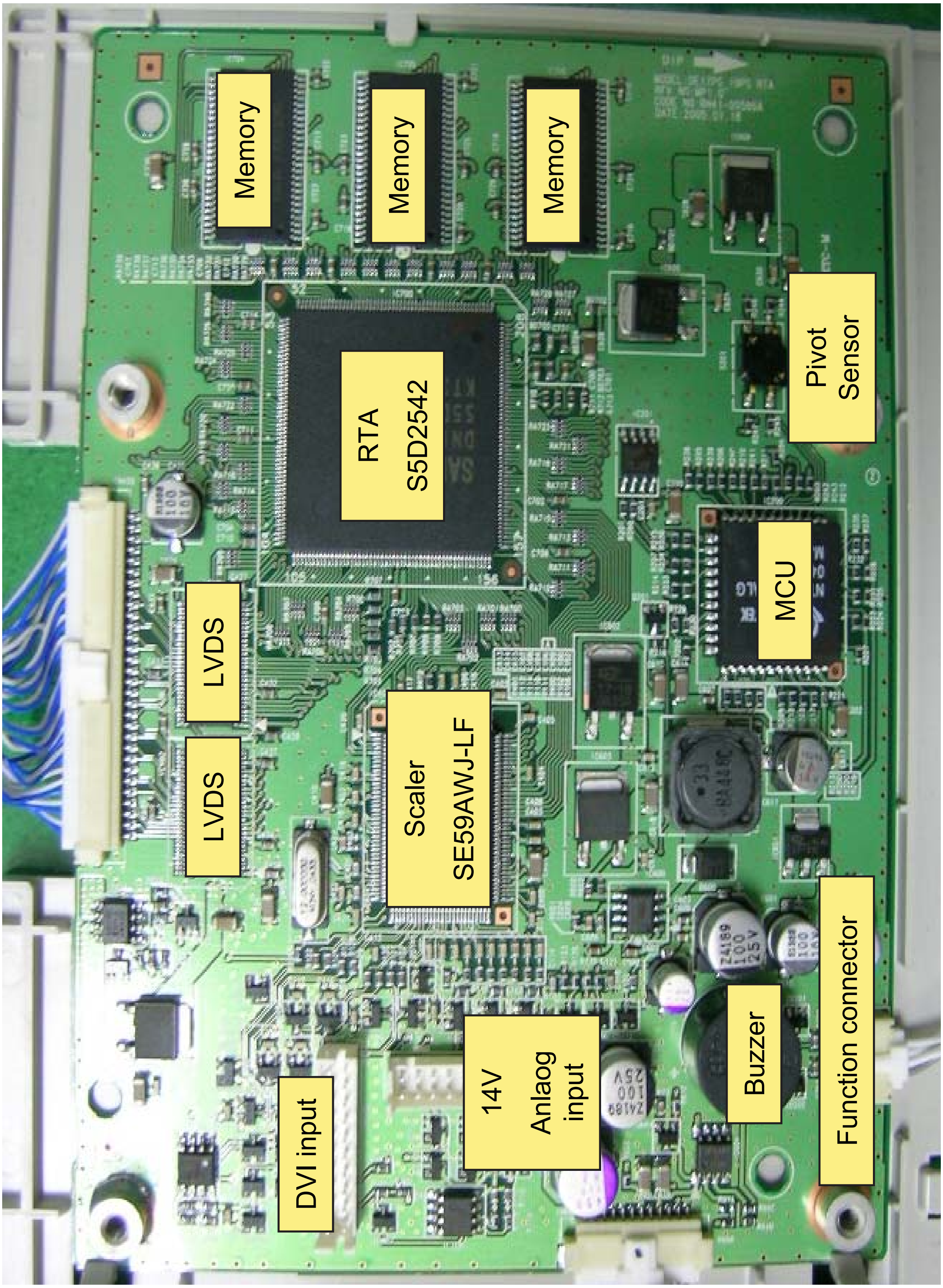
12 PCB Diagram



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13 Circuit Descriptions

13-1 Block description



No	Block	Description	Name
1	Scaler	Integrate ADC,TMSD and Scaling etc to 1 chipset	SE59AWJ-LF
2	RTA	Using the RTA (response time accelerator) chip, Dali-2 can support the fast response time(12ms) in Gray to Gray pattern.	S5D2542
3	LVDS	LVDS IC transit the data to panel.	DT34LM85AL
4	MCU	Microcontroller. MCU can control all of Monitor feature. As it is flash type, it can be re-witten several times.	NT58F63ALG
5	Buzzer	While touching Power key , it happens beep sound.	
6	Pivot sensor	As Dali-2 has sensor IC for Pivot, 1) if Dali-2 rotates 90°, 180° and 0°, 2) MCU can detect the current status through sensor IC, OSD rotates, 3) Magic tune 3.6 and Pivot Software can make change Screen to the rotated degrees automatically.	
7	14V and Analog input	14V and analog source input	
8	DVI input	DVI input connector	
9	Function connector	Power key connector	

13-2 Block operating

No	Feature	Block	Description	Failure Symptom
1	Fast response time	RTA chip	Using the RTA (response time accelerator) chip, Dali-2 can support the fast response time(12ms) in Gray to Gray pattern.	Abnormal display, No video
2	14V and Analog input	Analog input connector	14V and analog source input	No Power/ Analog No video
3	DVI input	DVI input connector	DVI input connector	DVI No video
4	Sharpness	Scaler	Support sharpness control fiiting up the quality of Video card.	Enhancement of sharpness and image quality.
5	Auto Pivot	Pivot sensor/ MCU/ Magic tune3.6/ Pivot Software	As Dali-2 has sensor IC for Pivot, 1) if Dali-2 rotates 90°, 180° and 0°, 2) MCU can detect the current status through sensor IC, OSD rotates, 3) Magic tune 3.6 and Pivot Software can make change Screen to the rotated degrees automatically.	It must be installed Magic tune 3.6 and Pivot Software to the PC.
6	Beep sound	Buzzer/ MCU	While touching Power key , it happens beep sound.	No beep sound
7	Function Power key	Function connector/function ass'y	Power key ass'y	Function key operating fail

14 Reference Infomation

14-1 Technical Terms

-TFT-LCD
(Thin film Transistor Liquid Crystal Display)
ADC(Analog to Digital Converter)
This is a circuit that converts from analog signal to digital signals.

-PLL(Phase Locked Loop)
During progressing ADC, Device makes clock synchronizing HSYNC with Video clock

-Inverter
Device that supply Power to LCD panel lamp. this device gernerate about 1,500~2,000V.

AC Adapter
Device that converts AC(90V~240V) to DC(+12V or 14V)

SMPS(Switching Mode Power Supply)
Switching Mode Power supply. This design technology is used to step up/down the input power by switching on/off

-FRC(Frame Rate Controller)
Technology that change image frame quantity displayed on screen for one second.
Actually TFT-LCD panel require 60 pcs of frame for one second.
so,this technology is needed to convert input image to 60 pcs regardless input frame quantity.

-Image Scaler
Technology that convert various input resolution to other resolution.(ex. 640* 480 to 1024*768)

-Auto Configuration(Auto adjustment)
This is an algorithm to adjust monitor to optimum condition by pushing one key.

-OSD(On Screen Display)
On screen display. customer can control the screen easily with this.

-Image Lock
This means "Fineness adjustment " in LCD Monitor, the features are "Fine" and "Coarse"

-FINE
"Fine" adjustment is used to adjust visibility by control phase difference.

-COARSE
This is a adjustment by tuning with Video colck and PLL clock.

-DVI (Digital Visual Interface)
This provides a high speed digital connection for visual data types that is display technology independent. this interface is primarily forcused at providing a connection between a computer and
its display device.

-L.V.D.S.(Low Voltage Differential Signaling)
a kind of transmission method for Digital.It can be used from Main PBA to Panel.

-DVI (Digital Visual Interface)
This provides a high speed digital connection for visual data types that is display technology independent. this interface is primarily forcused at providing a connection between a computer and its display device.

-T.M.D.S
(Transition minimized Differential Signaling)
a kind of transmission method for Digital.
It can be used from Video card to Main PBA.

-DDC(Display data channel)
It is a communication method between Host Computer and related equipment.
It can make it Plug and Play between PC and Monitor.

-EDID

Extended Display Identification Data PC can recognize the monitor information as Product data, Product name,Display mode,Serial number and Signal source,etc through DDC Line communicating with PC and Monitor.

-Dot Pitch

The image on a monitor is composed of red, green and blue dots. The closer the dots, the higher the resolution. The distance between two dots of the same color is called the 'Dot Pitch'. Unit: mm

-Vertical Frequency

The screen must be redrawn several times per second in order to create and display an image for the user. The frequency of this repetition per second is called Vertical Frequency or Refresh Rate. Unit: Hz
Example: If the same light repeats itself 60 times per second, this is regarded as 60 Hz.

-Horizontal Frequency

The time to scan one line connecting the right edge to the left edge of the screen horizontally is called Horizontal Cycle. The inverse number of the Horizontal Cycle is called Horizontal Frequency. Unit: kHz

-Interlace and Non-Interlace Methods

Showing the horizontal lines of the screen from the top to the bottom in order is called the Non-Interlace method while showing odd lines and then even lines in turn is called the Interlace method. The Non-Interlace method is used for the majority of monitors to ensure a clear image. The Interlace method is the same as that used in TVs.

-Plug & Play

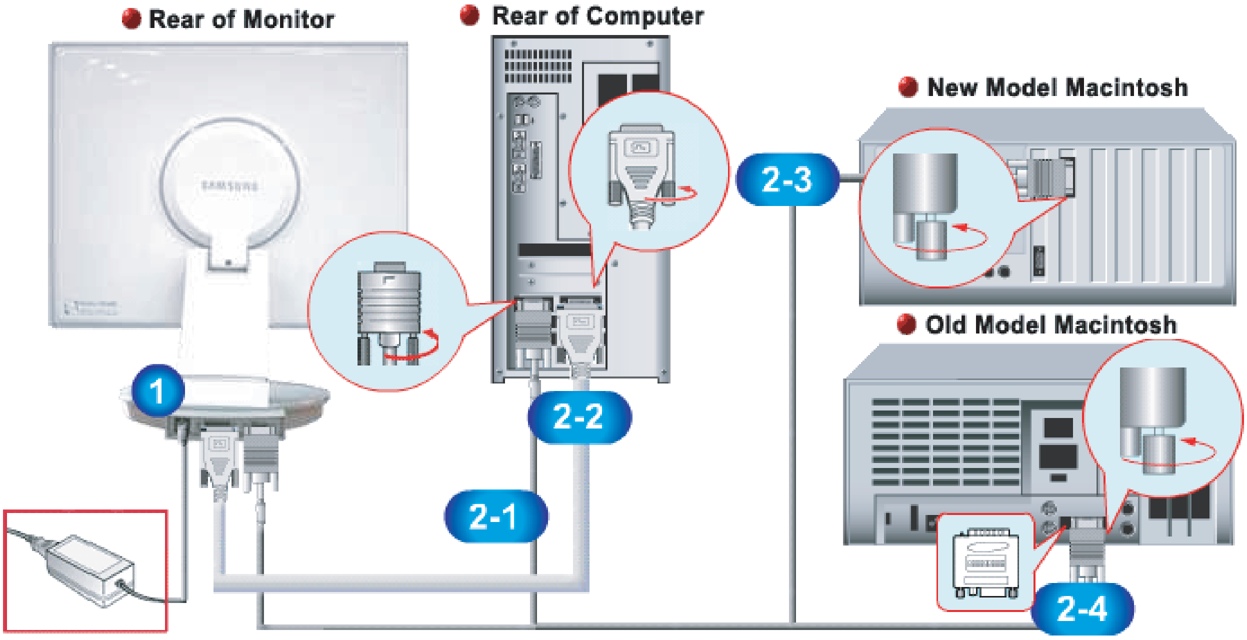
This is a function that provides the best quality screen for the user by allowing the computer and the monitor to exchange information automatically. This monitor follows the international standard VESA DDC for the Plug & Play function.

-Resolution

The number of horizontal and vertical dots used to compose the screen image is called 'resolution'. This number shows the accuracy of the display. High resolution is good for performing multiple tasks as more image information can be shown on the screen.

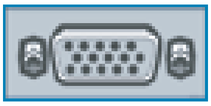
Example: If the resolution is 1280 x 1024 , this means the screen is composed of 1280 horizontal dots (horizontal resolution) and 1024 vertical lines (vertical resolution).

14-2 Connecting Your Monitor

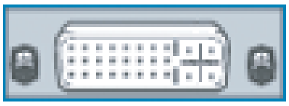


1. Connect the DC adapter for your monitor to the power port on the back of the monitor. Plug the power cord for the monitor into a nearby outlet.

2-1. Using the D-sub (Analog) connector on the video card.
Connect the signal cable to the 15-pin, D-sub connector on the back of your monitor.



2-2. Using the DVI (Digital) connector on the video card.
Connect the DVI cable to the DVI port on the back of your monitor.



2-3. Connected to a Macintosh.
Connect the monitor to the Macintosh computer using the D-SUB connection cable.

2-4. In the case of an old model Macintosh, you need to connect the monitor using a special Mac adapter.

3. Turn on your computer and monitor. If your monitor displays an image, installation is complete.

- You may get a blank screen depending on the type of video card you are using, if you connect simultaneously both the D-Sub and DVI cables to one computer.

- If you properly connect your monitor using the DVI connector but get a blank screen, check to see if the monitor status is set to analog. Press power button to have the monitor double-check the input signal source.

14-3 Pin Assignments

Sync Type / Pin No.	15-Pin D-Sub Signal Cable Connector		
	Separate	Composite	Sync-on-green
1	Red	Red	Red
2	Green	Green	Green + H/V Sync.
3	Blue	Blue	Blue
4	GND	GND	GND
5	DDC Return (GND)	DDC Return (GND)	DDC Return (GND)
6	GND-R	GND-R	GND-R
7	GND-G	GND-G	GND-G
8	GND-B	GND-B	GND-B
9	DDC Power Input (+5V)	DDC Power Input (+5V)	DDC Power Input (+5V)
10	Self Raster	Self Raster	Self Raster
11	GND	GND	GND
12	Bi-Dr Data (SDA)	Bi-Dr Data (SDA)	Bi-Dr Data (SDA)
13	H-Sync.	H/V-Sync.	Not Used
14	V-Sync.	Not Used	Not Used
15	DDC Clock (SCL)	DDC Clock (SCL)	DDC Clock (SCL)

Sync Type / Pin No.	24P DVI-D		
1	Rx2-	13	No Connection
2	Rx2+	14	+5V_M
3	GND	15	Self Raster
4	No Connection	16	+5V_M
5	No Connection	17	Rx0-
6	DDC Clock (SCL)	18	Rx0+
7	DDC Data (SDA)	19	NC
8	NC	20	No Connection
9	Rx1-	21	No Connection
10	Rx1+	22	NC
11	NC	23	RxC+
12	No Connection	24	RxC-

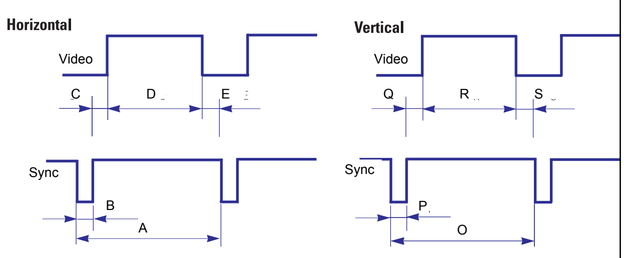
14-4 Timing Chart

This section of the service manual describes the timing that the computer industry recognizes as standard for computer-generated video signals.

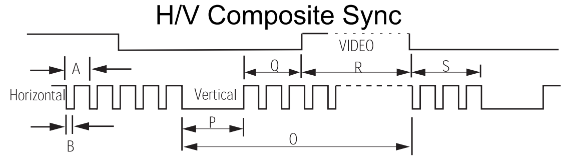
Table 2-1 Timing Chart

Mode / Timing	IBM		VESA						
	VGA2/ 70 Hz 720 x 400	VGA3/ 60 Hz 640 x 480	640/75 Hz 640x480	800/60 Hz 800x600	800/75 Hz 800x600	1024/60 Hz 1024x768	1024/75 Hz 1024x768	1280/60 Hz 1280x1024	1280/75 Hz 1280x1024
fH (kHz)	31.469	31.469	37.500	37.879	46.875	48.363	60.023	63.981	79.975
A μsec	31.777	31.778	26.667	26.400	21.333	20.677	16.660	11.852	12.504
B μsec	3.813	3.813	2.032	3.200	1.616	2.092	1.219	1.037	1.067
C μsec	1.589	1.589	3.810	2.200	3.232	2.462	2.235	2.296	1.837
D μsec	26.058	26.058	20.317	20.000	16.162	15.754	13.003	9.259	9.481
E μsec	0.318	0.318	0.508	0.000	0.323	0.369	0.203	0.000	0.119
fV (Hz)	70.087	59.940	75.000	60.317	75.000	60.004	75.029	60.020	75.025
O msec	14.268	16.683	13.333	16.579	13.333	16.666	13.328	16.005	13.329
P msec	0.064	0.064	0.080	0.106	0.064	0.124	0.050	0.047	0.038
Q msec	0.858	0.794	0.427	0.607	0.448	0.600	0.466	0.594	0.475
R msec	13.155	15.761	12.800	15.840	12.800	15.880	12.795	15.630	12.804
S msec	0.191	0.064	0.027	0.0261	0.021	0.062	0.017	0.016	0.013
Clock Freq. (MHz)	28.322	26.175	31.500	40.000	49.500	75.000	78.750	108.000	135.000
Polarity H.Sync	Negative	Negative	Negative	Positive	Positive	Negative	Positive	Positive	Positive
V.Sync	Positive	Negative	Negative	Positive	Positive	Negative	Positive	Positive	Positive
Remark	Separate	Separate	Separate	Separate	Separate	Separate	Separate	Separate	Separate

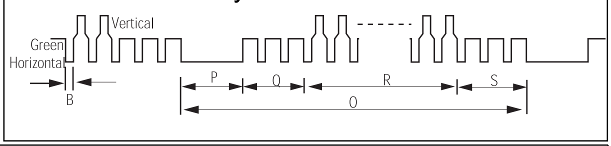
Separate Sync



H/V Composite Sync



Sync-on-Green



A : Line time total	B : Horizontal sync width	O : Frame time total	P : Vertical sync width
C : Back porch	D : Active time	Q : Back porch	R : Active time
E : Front porch		S : Front porch	

14-5 Preset Timing Modes

-If the signal transferred from the computer is the same as the following Preset Timing Modes, the screen will be adjusted automatically. However, if the signal differs, the screen may go blank while the power LED is on. Refer to the video card manual and adjust the screen as follows.

Table 1. Preset Timing

Display Mode	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock (MHz)	Sync Polarity (H/V)
IBM, 640 x 350	31.469	70.086	25.175	+/-
IBM, 640 x 480	31.469	59.940	25.175	-/-
IBM, 720 x 400	31.469	70.087	28.322	-/+
MAC, 640 x 480	35.000	66.667	30.240	-/-
MAC, 832 x 624	49.726	74.551	57.284	-/-
MAC, 1152 x 870	68.681	75.062	100.00	-/-
VESA, 640 x 480	37.500	75.000	31.500	-/-
VESA, 640 x 480	37.861	72.809	31.500	-/-
VESA, 800 x 600	35.156	56.250	36.000	+,-/+,-
VESA, 800 x 600	37.879	60.317	40.000	+/+
VESA, 800 x 600	46.875	75.000	49.500	+/+
VESA, 800 x 600	48.077	72.188	50.000	+/+
VESA, 1024 x 768	48.363	60.004	65.000	-/-
VESA, 1024 x 768	56.476	70.069	75.000	-/-
VESA, 1024 x 768	60.023	75.029	78.750	+/+
VESA, 1152 x 864	67.500	75.000	108.00	+/+
VESA, 1280 x 960	60.000	60.000	108.00	+/+
VESA, 1280 x 1024	63.981	60.020	108.00	+/+
VESA, 1280 x 1024	79.976	75.025	135.00	+/+

Horizontal Frequency
The time to scan one line connecting the right edge to the left edge of the screen horizontally is called Horizontal Cycle and the inverse number of the Horizontal Cycle is called Horizontal Frequency. Unit: kHz

Vertical Frequency
Like a fluorescent lamp, the screen has to repeat the same image many times per second to display an image to the user. The frequency of this repetition is called Vertical Frequency or Refresh Rate. Unit: Hz

14-6 Panel Description

Maker	VENDOR P/N	PANEL_CODE	PANEL_ABB	STICKER_CODE	Remarks
SEC	LT140X1-002	BN07-00004A	SA	BN68-00239H	-
SEC	LT150XS-L01	BN07-00009A	SB		-
SEC	LT150XS-L01-B	BN07-00022A	SC		-
SEC	LTM150XS-L02	BN07-00005A	SD		-
SEC	LT181E2-132	BN07-00001A	SE		-
SEC	LT150XS-T01	BN07-00010A	SF		-
SEC	LTM181E3-132	BN07-00019A	SG		-
SEC	LT170E2-131	BN07-10001D	SH		-
SEC	LT181E2-131	BN07-10001E	SJ		-
SEC	LTM170E4-L01	BN07-00018A	SK		-
SEC	LTM240W1-L01	BN07-00015A	SL		-
SEC	LTM213U3-L01	BN07-00016A	SM		-
SEC	LTM150XH-L01	BN07-00026A	SN		-
SEC	LTM150XH-L03	BN07-00027A	SP		-
SEC	LTM150XS-L01	BN07-00032A	SQ		DELL(ZPD)
SEC	LTM181E4-L01	BN07-00034A	SR		PVA
SEC	LTM170EH-L01	BN07-00036A	SS		TN
SEC	LTM170E5-L01	BN07-00037A	SU		PVA
SEC	LTM150XH-L11	BN07-00041A	SV		-
SEC	LTM213U4-L01	BN07-00039A	SW		PVA
SEC	LTM150XH-L01(ZPD)	BN07-00045A	SX		ZPD
SEC	LTM150XH-L04	BN07-00046A	SY		"New panel with high brightness"
SEC	LTM170W1-L01	BN07-00047A	SZ		Panel for TV
SEC	LTM150XH-L06	BN07-00053A	EA		Panel for TV/ High luminance for 450cd _ SONY&EOS Team Panel for TV
SEC	LTM153W1-L01	BN07-00054A	EB		Use NIKE MODEL
SEC	LTM170EH-L05	BN07-00055A	EC		Panel EOS proj. for high brightness of 17" EH-L05
SEC	LTM170E5-L03	BN07-00056A	ED		Dell 1702FP pro. E4. EH mechanicalCompatible
SEC	LTM190E1-L01	BN07-00057A	EE		DELL 1900 FP
SEC	LTM181E5-L01	BN07-00061A	EF		18" narrow bezel GH18PS
SEC	LTM150XP-L01	BN07-00065A	EG		AMLCD PVA PANEL
SEC	LTM240W1-L02	BN07-00062A	EH		Panel for 15" Wide TV
SEC	LTM170EU-L01	BN07-00071A	EJ		Slim design, TN
SEC	LTM170E5-L04	BN07-00072A	EK		E5-L04 6 bits FRC... for IBM
SEC	LTA220W1-L01	BN07-00074A	EL		Panel for 22" TV
SEC	LTM170E6-L02	BN07-00075A	EM		AMLCD Narrow & slim design 17" PVAmode
SEC	LTM170W1-L01	BN07-00082A	EN		LTM170W1-L01 ZPD panel
SEC	LTM170EH-L01	BN07-00080A	EP		LTM170EH-L01 ZPD panel
SEC	LTM170E5-L01	BN07-00081A	EQ		LTM170E5-L01 ZPD panel
SEC	LTM170EH-L05	BN07-00083A	ER		LTM170EH-L05 ZPD panel
SEC	LTM170E5-L03	BN07-00084A	ES		LTM170E5-L03 ZPD panel
SEC	LTM170EU-L01	BN07-00085A	ET		LTM170EU-L01 ZPD panel
SEC	LTM170E5-L04	BN07-00086A	EU		LTM170E5-L04 ZPD panel
SEC	LTM170E6-L02	BN07-00087A	EV		LTM170E6-L02 ZPD panel
SEC	LTM150XH-L06	BN07-00091A	EW		"Color coordinates change for LCD TV"
SEC	LTM153W1-L01	BN07-00092A	EX		AMLCD WIDE 15",9/10
SEC	LTM170W1-L01	BN07-00100A	EY		"Color Coordinates change code management"
SEC	LTM170EH-L05	BN07-00097A	EZ		"LTM170E5-L05 Color Coordinates Change Panel Code"
SEC	LTA400W1-L01	BN07-00109A	S1		"PANEL of AMLCD 40"" TV"
SEC	LTM153W1-L01	BN07-00110A	S2		"Color coordinates change 0.280/0.290, 10000k & ZPD Panel"
SEC	LTM150XH-L06	BN07-00111A	S3		"Color coordinates change 0.280/0.290, 10000k & ZPD Panel"
SEC	LTM170W1-L01	BN07-00112A	S4		"Color coordinates change 0.280/0.290, 10000k & ZPD Panel"
SEC	LTM170EH-L05	BN07-00113A	S5		"Color coordinates change 0.280/0.290, 10000k & ZPD Panel"

Maker	VENDOR P/N	PANEL_CODE	PANEL_ABB	STICKER_CODE	Remarks
SEC	LTM220W1-L01	BN07-00114A	S6		"ZPD Panel for AMLCD 22"" TV"
SEC	LTM150XH-L06	BN07-00117A	S7		"ZPD Panel code"
SEC	LTM153W1-L01	BN07-00118A	S8		"ZPD Panel code"
SEC	LTM170WP-L01	BN07-00119A	S9		"PVA Panel for NIKE"
SEC	LTM213U4-L01	BN07-00039A	E1		21.3" NARROW
SEC	LTA260W1-L01	BN07-00121A	E2		VENUS
SEC	LTA220W1-L01	BN07-00074B	E3		"Panel B-level panel code for 22"" TV Panel "
SEC	LTA320W1-L01	BN07-00108A	E4		"Panel for AMLCD 32"" TV"
SEC	LTM213U4-L01	BN07-00124A	E5		NARROW BEZEL 21 " PANEL
SEC	LTM170E6-L04	BN07-00129A	E6		"HIGHLAND 17"" LOW PANEL (Panel only for TCO03)"
SEC	LTM190E1-L01	BN07-00088A	E7		LTM190E1-L01 ZPD panel
SEC	M150X4-L06	BN07-00137A	E8		15" Narrow & Slim panel
SEC	LTA170V1	BN07-00139A	E9		"17"" Panel for Muse 4:3 VGA TV"
SEC	LTM190E1-L02	BN07-00128A	E10		"New Panel from AMLCDI, Specification : 6bit Driver IC"
SEC	LTM170EX-L01	BN07-00143A	E11		"Development new Panel from AMLCD"
SEC	LTM170E8-L01	BN07-00144A	E12		"Development new Panel from AMLCD"
SEC	LTM170E6-L04	BN07-00129B	E13		"ZPD panel for AMLCD (Panel only for TCO03)"
SEC	LTA320W1-L02	BN07-00108B	E14		"Creat B-level Panel code for AMLCD 32"" TV"
SEC	LTM190E1-L03	BN07-00151A	E15		"Development new 19"" Panel form AMLCD (Panel only for TCO03)"
SEC	LTM240W1-L03	BN07-00134A	E16		"AMLCD 24"" panel development"
SEC	LTM190E1-L02	BN07-00128B	E17		"New Panel from AMLCD, Specification : 6bit Driver IC(ZPD)"
SEC	LTM190E4-L01	BN07-00145A	E18		"AMLCD 24"" new panel development"
SEC	LTM170E8-L01	BN07-00158A	E19		"ZPD code derivation"
SEC	LTM170EX-L01	BN07-00159A	E20		"ZPD code derivation"
SEC	LTM190E1-L03	BN07-00151B	E21		"Creat new panel code for AMLCD 19"" (Panel only for TCO03)"
SEC	LTA460H1-L01	BN07-00157A	E22		"creat panel code for AMLCD 46"" TV "
SEC	LTM170EU-L11	BN07-00160A	E23		"creat new panel code for AMLCD 17"" (Panel only for TCO03)"
SEC	LTM240W1-L03	BN07-00134B	E24		"24"" panel ZPD code derivation"
SEC	LTM190E4-L01	BN07-00145B	E25		"AMLCD 19"" ZPD Panel code derivation"
SEC	LTM240W1-L03	BN07-00134B	E26		24" panel ZPD code derivation
SEC	LTM150XO-L01	BN07-00164A	E27		AMLCD 15" XO-L01 new panel development
SEC	LTM150XO-L01	BN07-00164B	E28		AMLCD 15" XO-L01 ZPD code derivation
SEC	LTM170EU-L11	BN07-00160B	E29		AMLCD 17" NEW panel code derivation
SEC	LTA320W2-L01	BN07-00172A	SPZ		AMLCD 32" NEW panel
SEC	LTM213U4-L01	BN07-00124B	SPZ		21.3" Narrow PANEL ZPD Panel derivation
SEC	LTM170EU-L11	BN07-00189A	STH		AMLCD EU-L11 Pb free panel code derivtion
SEC	LTM170EU-L11	BN07-00189B	STZ		AMLCD EU-L11 Pb free panel ZPD code derivation
SEC	LTM240W1-L04	BN07-00188A	SPH		24" A-DCC new panel development
SEC	LTM190EX-L01	BN07-00191A	STH		AMLCD 19" TN new Panel
SEC	LTM190EX-L02	BN07-00191B	STZ		AMLCD 19" TN new Panel ZPD derivation
SEC	LTA230W1-L02	BN07-00184A	SPZ		AMLCD 23" 16:9 new Panel
SEC	LTA260W2-L01	BN07-00185A	SPZ		AMLCD 26" 16:9 new Panel
SEC	LTM240M1-L01	BN07-00195A	SPH		24" panel with high brightness deveiopment
SEC	LTA400W2-L01	BN07-00186A	SPZ		AMLCD 40" 16:9 new Panel
SEC	LTM150XO-L01	BN07-00197A	STH		AMLCD 15" XO-L01 Pb free panel code
SEC	LTM150XO-L01	BN07-00197B	STZ		AMLCD 15" XO-L01 Pb free panel ZPD code
SEC	LTM170EU-L21	BN07-00202A	STZ		AMLCD EU-L21 ZPD new code derivation
SEC	LTA460W2-L03	BN07-00187A	SPZ		BEETOVEN 46"ZPD new Panel
CPT	CLAA150XG09	BN07-00141A	PA		CPT 15" Monitor new panel development
CPT	CLAA170EA02	BN07-00148A	PB		17" CPT NEW development panel
CPT	CLAA170EA02	BN07-00148B	PC		17" CPT ZPD panel code derivation
CPT	CLAA150XG09	BN07-00141B	PTZ		"CPT 15"" panel ZPD code derivation (GOYA-PJT)"
CPT	CLAA150XP01	BN07-00173A	PTH		CPT 15" PSWG code derivation

Maker	VENDOR P/N	PANEL_CODE	PANEL_ABB	STICKER_CODE	Remarks
CPT	CLAA150XP01	BN07-00173B	PTZ		CPT 15" PSWG panel ZPD code
CPT	CLAA170EA07	BN07-00174A	PTH		"CPT 17"" PSWG panel code derivation?
CPT	CLAA170EA07	BN07-00174B	PTZ		CPT 17"""" PSWG type new Panel code""""
CPT	CLAA170EA07	BN07-00174B	PTZ		CPT 17" PSWG type new Panel code
TOSHIBA	LTM15C419(A)	BN07-00002A	TA		-
TOSHIBA	LTM15C423(B)	BN07-00006A	TB		-
TOSHIBA	LTM18C161	BN07-00008A	TC		-
TOSHIBA	LTM15C443	BN07-00031A	TD		-
TOSHIBA	LTM15C458	BN07-00043A	TE		-
TOSHIBA	LTM15C458S	BN07-00077A	TF		"TSB 15"" high brightness Panel"
TOSHIBA	LTM15C458	BN07-00078A	TG		Toshiba ZPD panel
TOSHIBA	LTM15C458S	BN07-00099A	TH		TSB LTM15C458S (ZPD)
HANNSTAR	HSD150MX41A(A)	BN07-00020A	NA		"TTL type"
HANNSTAR	HSD150MX12	BN07-00030A	NB		"TTL type"
HANNSTAR	HSD170ME13	BN07-00180A	NTH		Hannstar 17" TN new panel development
HANNSTAR	HSD170ME13	BN07-00180B	NTZ		Hannstar 17" TN new panel development ZPD code derivation
TORISAN	TM150XG-22L03(A)	BN07-00021A	RA		-
TORISAN	TM150XG-26L06	BN07-00042A	RB		-
TORISAN	TM181SX-76N01	BN07-00048A	RC		-
TORISAN	TM150XG-26L06	BN07-00059A	RD		15" XGA TN MODE(ZPD)
TORISAN	TM290WX-71N31	BN07-00063A	RE		"RS24NS (TORISAN 29"" NEW PANEL)"
TORISAN	TM396WX-71N31	BN07-00064A	RF		"RS24NS (TORISAN 40"" NEW PANEL)"
TORISAN	TM150XG-26L09	BN07-00073A	RG		"Panel for 15"" TV"
TORISAN	TM150XG-26L10	BN07-00089A	RH		"L10(change except D/IC) ZPD"
TORISAN	TM150XG-26L10	BN07-00090A	RJ		L10 NORMAL
TORISAN	TM190SX-70N01	BN07-00098A	RK		Torisan 19" Panel
TORISAN	TM181SX-76N01	BN07-00106A	RL		ZPD Panel code
TORISAN	TM190SX-70N01	BN07-00107A	RM		ZPD Panel code
TORISAN	TM290WX-71N31	BN07-00115A	RN		"Color Coordinates change panel for TORISAN 29"" TV"
TORISAN	TM396WX-71N31	BN07-00116A	RP,Q		"Color Coordinates change panel for TORISAN 40"" TV"
TORISAN	TM22OWX-71N31	BN07-00125A	RR		"Development TORISAN 22"" TV PANEL (ZPD)"
TORISAN	TM22OWX-71N31	BN07-00127A	RS		"Development TORISAN 22"" TV PANEL (HPD)"
TORISAN	TM396WX-71N32A	BN07-00150A	RT		120V inverter Exclusive panel
TORISAN	TM190SX-70N02	BN07-00154A	RMH		Torisan 6bit panel code Derivation
TORISAN	TM190SX-70N02	BN07-00154B	RMZ		Torisan 6bit panel code Derivation
SHARP	LQ181E1DG11(A)	BN07-10001C	PA		-
SHARP	LQ150X1LW71	BN07-00067A	PB		SHARP 15" PVA PANEL
HITACHI	TX38D12VC0CAA(A)	BN07-00003A	HA		-
HITACHI	TX43DVCOCAB	BN07-00060A	HB		17" SXGA PVA MODE
HITACHI	TX43D15VC0CAB	BN07-00101A	HC		ZPD Panel
HITACHI	TX51D11VC0CAB	BN07-00122A	HD		20.1" NARROW
HITACHI	TX54D11VC0CAB	BN07-00123A	HE		21.3" NARROW
HITACHI	TX80D12VC0CAB	BN07-00169A	HIZ		"Development new panel for Hitachi 32"" TV (ZPD)"
HITACHI	TX54D11VC0CAB	BN07-00123B	HIZ		Hitachi 21.3"ZPD panel
IBM	ITSX94S	BN07-00017A	IA		-
UNIPAC	UM170E0	BN07-00028A	UA		Loaded by cisdba

Maker	VENDOR P/N	PANEL_CODE	PANEL_ABB	STICKER_CODE	Remarks
HYUNDAI	HT15X13	BN07-00035A	DA		-
HYUNDAI	HT17E11-200	BN07-00049A	DB		TN MODE
HYUNDAI	HT17E11-300	BN07-00093A	DC		HT17E11-300 ZPD panel
HYUNDAI	HT17E11-400	BN07-00094A	DD		HT17E11-400 normal panel
HYUNDAI	HT17E11-400	BN07-00095A	DE		HT17E11-400 ZPD panel code
HYUNDAI	HT17E12	BN07-00096A	DF		HT17E12 (Narow & slim Design)
HYUNDAI	HT17E12	BN07-00105A	DG		ZPD Panel code
HYUNDAI	HT15X15-D00	BN07-00146A	DH		"Development for Ares 15"" Hydis TV"
HYUNDAI	HT15X15-D01	BN07-00146B	DJ		"Derivation panel HPD for Ares 15"" Hydis TV "
HYUNDAI	HT17E13-100	BN07-00167A	DTH		"PINEHURST-2(IBM) PJT 17"" HYDIS PANEL Derivation"
HYUNDAI	HT17E13-100	BN07-00167B	DTZ		"PINEHURST-2(IBM) Hydis 17"" ZPD code Derivation"
ACER	L170E3	BN07-00044A	AA		TN(ADT)
ACER	M170EN05	BN07-00076A	AB		AU 17" Panel (Narrow & slim design)
ACER	M170EN05	BN07-00102A	AC		ZPD Panel code
ACER	M190EN02	BN07-00170A	AMH		"AU Monitor 19"" new panel development (P19-1S)"
ACER	M190EN02	BN07-00170B	AMZ		"AU 19"" ZPD code derivation (ZPD)"
ACER	M170EN06	BN07-00171A	ATH		"AU Monitor 17"" New panel development"
ACER	T260XW01	BN07-00163A	AMZ		"AU 26"" new panel developm
(NF26EO)"					
ACER	A201SN01	BN07-00177A	ATZ		"AU TV panel 20.1"" TN SVGA new panel development"
ACER	M170EN06	BN07-00171B	ATZ		"AU Monitor 17"" ZPD code Derivation
ACER	T315XW01	BN07-00194A	AMZ		AU 32" new
ACER	M170EG01	BN07-00192A	ATH		AU TN PSWG type new Panel code
ACER	M170EG01	BN07-00192B	ATZ		AU TN PSWG type NEW panel code derivation
CHIMEI	M170E3-LO1	BN07-00050A	CA		TN PANEL
CHIMEI	M150X3-L01	BN07-00051A	CB		COMPATIBLE
CHIMEI	M170E4-L01	BN07-00052A	CC		MVA PANEL
CHIMEI	M150X2-L01	BN07-00066A	CD		CHIME 15"I PVA PANEL
CHIMEI	M150X3-L01	BN07-00079A	CE		Chimei ZPD panel
CHIMEI	M170E3-L01	BN07-00103A	CF		ZPD Panel code
CHIMEI	M170E4-L01	BN07-00104A	CG		ZPD Panel code
CHIMEI	V296W1-L01	BN07-00120A	CH		MVA
CHIMEI	M170E6-L02	BN07-00126A	CJ		HIGHLAND 17" LOW PANEL
CHIMEI	M190E2-L01	BN07-00131A	CK		GH19AS,BS CHIMEI PANEL
CHIMEI	M150X4-L06	BN07-00137A	CL		15" Narrow & Slim panel
CHIMEI	M170E6-L01	BN07-00133A	CM		"2003-03-11 vendor change"
CHIMEI	M170E6-L01	BN07-00133B	CN		"ZPD derivation panel"
CHIMEI	V201V1-T01	BN07-00135A	CP		"CHIMEI 20.1"" panel development"
CHIMEI	M170E6-L02	BN07-00126B	CQ		"HIGHLAND 17"" LOW PANEL ZPD derivation panel"
CHIMEI	M170E6-L05	BN07-00152A	CR		"CMO 17"" new panel development code"
CHIMEI	M170E6-L05	BN07-00152B	CS		"CMO 17"" ZPD panel code derivation"
CHIMEI	M150X4-L06	BN07-00137B	CT		Chimei 15" Narrow & Slim panel ZPD derivation
CHIMEI	M170E5-L05	BN07-00165A	CTH		CMO 17" new panel development code (GOYA2-PJT)
CHIMEI	M170E5-L05	BN07-00165B	CTZ		CMO 17" ZPD panel(GOYA2-PJT)